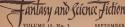




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Authory Boxcher, BOOK EBE

Coming Next Month... All-Star Issue!

We bring you a sporkling, extra-special, All-Star Issue near mouth to insugement the tenth your of PSeT—all conjust notes of the first magnitude by writers of the first magnitude by writers of the first magnitude by writers of the first magnitude, the very best we could get from insula and mutuals the field. Tog ye you a limit of the programs. Whilst Dated Steel and Gerald Kern's will be represented by two emarkables of Seets attories of Insulany and of science friends on. Arthur C. Clark by an article that stares directly into some much-avoided spects of the mindow-machine and applicate-body professions. . Pold Anderson and Alterd Roster by stories written specifically for this issue. . . Robert Festimism with the law, building, entrangel jumillariest of Feter Spare Technism with the law, building, entrangel jumillariest of Feter Spare Spa

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If you missed Part One of Robert A. Hemicia's newest word, you have reason to keen. All, however, it not lost—whing you here Mr. Hein-lein's own synoptic of what warm on, and you'll find it not only the next most satisfying thing to having been there yourself, but also a complete preparation for the unpatdownable installment which follows it.

Have Space Suit - Will Travel.

by ROBERT A. HEINLEIN
(Second of three parts)

My name is Kip Russell. I was attainfailing my senior year at Centerville High School. Dear old C. H.S. sint much of a school—fix one of those Kinis-dow Liderparation they may be a senior of the control of the contro

is to get an engineering education. Then Skyway Soap announced their big slogan contest, that one with the first prize an all-expense

trip to the Moon.

thousands of soap wrappers and slogans-much helped, I must add, by Dad and Mother and by Mr. Charton, my hoss. I was the soda Jerk at Charton's Drugs that spring, which gave me a chance to sell Skyway Soap and talk the customers out of the wrappers. The only customer

I missed on was "Ace" Quisgole. Centerville's outstanding useless citizen. Ace not only would not part with a soap wrapper, he repeatedly used the excuse of a chocolate maked milk to hang around my soda fountain, discourage sales, and make fun of the whole matter with with remarks about "Commodore Russell, the Scourge of the Space Firstes"

the Scourge of the Space Pirates' and like nonsense. Somehow I kept my temper, sold soap, and sent in 5.782 slogans. But I didn't win the trip to the

Moon. I won an obsolete space rail. But, sheeks, I never really though I would win—and it was real space suit. I spent all that summer reconditioning it, refitting it with space-band radio, making it gas tight. Space suits are wonderful pieces of mechinery, they make a hortool look simple. I got so attached to this one that it exquired a personality for me, with him, the way you will with a document of the space of the control with the contro

But I couldn't keep Oscar. The contest rules permitted me to turn Oscar, in the pasture back of our

when I heard a call for help on Then a space ship almost squashed

Another ship landed, two figures after them when one of them screamed and fell. I stood over it. trying to figure out what it was (it

me.

I woke up locked in a room, Oscar our way to the Moon-in a flying

So I knew I was out of my head. Unfortunately I was not. Every word of it was true. Two men, a fat one and a skinny one, hauled me in to see the boss nimte, after knocking me out with a ray that captor convinced me.

It was not just that be was uglywormy tendrils at his mouth, four snaky arms, eyes that scanned like head. But it was not his looks-

You hear people say that "good"

They hadn't seen this thing. Old Wormface was bed all the way through. His viciousness was an will out of me. He quizzed mo, that he was interested in, had Fats

I was ready to believe Peewee now. She told me what little she knew. She had been on the Moon her over to Wormface, Wormface and his tribe were moving in on us, with an advance base on the Moon (possibly) food. While captive, Pecwee had met the "Mother Thing," another sort of extra-terrestrial and as different from Wormface as is possible - but just as non-human. as a "cop" who was chasing Worm--which didn't explain much, but

any enemy of Wormface was a Pecayee and the Mother Thing with Peewee at the controls and the Jersey, where her father was somebody important in the Institute for been forced down in Centerville . . . which was now my space sur a myself had got tangled in it. All of which explained everythi

except how to get untangled.

The ship we were in landed on
the Moon but Peewee and I were
left locked up. We managed with
brute force and a wad of bubble
gum to get out of our cell. The ship
use semply and I thought we could
excupe in it, since Peewee had flown
one before—but no such luck; Wormface had taken with him an essential
gudget (cell H an "fignifion kew."

But I cracked open a few more doors and found our space suits— "Oscar" and the tourist suit Peewee had had when she was kidnapped.

We had a chance now.

Peewee found the Mother Thing, looked in another compartment. She turned out to be a cuddly little ereature, no more human than a goldfakt but utterly delightful. She talked in high birdlike songs which I found I could understand. Telepathry Well, maybe—I don't know. But I did leave.

high birdlike songs which I found I could understand. Telepathy? Well, maybe—I don't know. But I did know why she was the "Mother Thing"—she made you want to crawl into her lap for comfort. She was motherly.

Two space suits and three persons.

Two space suits and three persons. I loosened the straps on Orear, the Mother Thing climbed on me piggi-back, Peevee helped me seal up and I helped her, I took two spare bottles of oxygen-helum mix which I found in the 100m used by the renegate heart of the property of

It began almost as a picate, it wound up as an endless nightmare of heat, bone-weariness, and not enough oxygen to breath. I had a sugar pilk, pep pilk, all where I could reach them in Osear's beliest. Foor little Preview had nothing, but of oxygen, her bourtet space with had never been designed for serious work. Even its hose fittings weren't standard and my clumps attempts to into her bottle water! about half.

Peewee collapsed from sheer lack of air when we had formbaugh Station straight ahead of us 1 picked her up and stumbled on 1 dou't know exactly what happened after that as I was sliding into the last stages of anoxia delerium myself. It seemed to me that we were in front of Tombaugh Station's pressure lock. A pressurized crawler stopped beside us and I yelled for help.

Two men got out, a fat one and a skinny one. Skinny aimed something at me-and that was the last I know.

V

I don't know if they took us all that weary way back in the crawler, or if Wormface sent a ship. I woke up being slapped and was inside, lying down. The skinny one was slapping me—the man the fat one called "Tim." I tried to flight back and found that I couldn't. I was strapped into a statisticket thing that held me as

snugly as a wrapped mummy. Skinny grabbed my hair, jerked my head up, tried to put a big

He slapped me harder and of-

expression didn't change-it staved

I heard: "Take ft. bov," and turned my eyes. The fat one was on the other side, "Better swallow it," he said. "You got five bad days

ahead." I took it. Not because of the

advice but because a hand held my nose and another popped the pill into my mouth when I gasped. Fatty held a cup of water for me to wash it down: I didn't resist that, I needed it. Skinny stuck a hypodermic

needle big enough for a horse into my shoulder, I told him what I thought of him, using words I hardly ever use. The skinny one could have been deaf; the fat one chuckled. I rolled my eyes at

Fatty clucked reprovingly. "You ought to be glad we saved your life." He added. "Though it wasn't my idea, you strike me as a sorry item. He wanted you alive."

"Shaddap," Skinny said, "Strap "Let him break his neck, We

better fix our ownselves. He won't wait." But he started to obey. Skinny glanced at his watch,

The fat one hastily tightened a strap across my forehead, then both moved very fast, swallowing capsules, giving each other hypos,

I was back in the ship. The cciling glowed the same way, the walls looked the same. It was the room the two men used: their beds were on each side and I was strapped to a soft couch between

Each hurriedly got on his bed. began zipping up a tight wrapping like a sleeping bag. Each strapped his head in place before interested in them. "Heyl What did you do with Peewce?"

The fat man chuckled, "Hear that, Tim? That's a good one." "Shaddan."

"You-" I was about to sum up

got fuzzy and my tongue was thick, Besides, I wanted to ask about the Mother Thing, too, I did not get out another word. Suddenly I was incredibly heavy and the couch was rock-hard.

For a long, long time I wasn't awake nor truly asleep. At first terrible weight, then I hurt all over and wanted to scream. I didn't have the strength for it.

I stopped feeling auvthing, I

stuck in a comic book, the sort P.T.A. meetings pass resolutions against, and the baddies were

way ahead no matter what I did. Once the couch gave a twisting lurch and suddenly I had a body, one that was dizzy. After a few ages I realized vaguely that I had gone through a skew-flip turn-over. I had known, during lucid moments, that I was going somewhere, very fast, at terribly high acceleration. I decided solemnly that we must be halfway and tried to figure out how long two times eternity was. It kept coming out 85 cents plus sales tax: the cash register rang NO SALE and

Fats was undoing my head strap. It stuck and skin came away. "Rise and shine, bub.

A croak was all I managed. The skinny one was unwrapping me. My legs sagged apart and hurt.

I tried and didn't make it. Skinny grabbed one of my legs

"Here, lemme do that," said Fatty. "I used to be a trainer." Fats did know something about it. I gasped when his thumbs dug into my calves and he stopped. "Too rough?" I couldn't answer. He went on massaging me and said almost jovially, "Five days

at eight gravities ain't po joy ride. But you'll be OK. Got the needle, Tim?" my left thigh. I hardly felt it.

The skinny one jabbed me in

Fats pulled me to a sitting position and handed me a cup. I thought it was water: it wasn't and I choked and sprayed. Fats waited, then gave it to me again,

"Drink some, this time," I did. "OK, up on your feet, Vaca-

The floor swayed and I bad to grab him until it stopped. "Where are we?" I said hoarsely.

Fats grinned, as if he knew an enormously funny joke, "Pluto, of

course. Lovely place, Pluto, A "Shaddap, Get him moving." "Shake it up, kid. You don't

want to keep him waiting." could get that far. Why, they moons vet. Pluto was so much farther that-

My brain wasn't working. The experience just past had shaken me so badly that I couldn't accept the fact that the experience itself

I wasn't given time to wonder:

we got into space suits. Although I hadn't known. Oscar was there. and I was so glad to see him that I forgot everything else. He the floor. I bent down (disdidn't seem hurt.

"All right," I answered almost cheerfully. Then I hesitated. "Say-I haven't any air." "Take another look," said Fats.

I looked. Charged oxy-helium bottles were on the backpack, "Although," he continued, "if we didn't have orders from him. I wouldn't give you a whiff of limhurger. You made us for two bottles-and a rock hammer-and a line that cost four ninety-five. carthside. Sometime." he stated without rancor, "I'm gonna take it

"Shaddap," said Skinny, "Get

I spread Oscar open, wriggled in, clipped on the blood-color reader, and zipped the gaskets, Then I stood up, clamped my helmet, and felt better just to be inside. "Tight?" ("Tight!" Oscar agreed.)

"We're a long way from home." ("But we got air! Chin un.

Which reminded me to check the chin valve. Everything was working. My knife was gone and so were the hammer and line, but those were incidentals. We were

tight. behind me. We passed Wormface in the corridor-or a wormfacebut while I shuddered. I had Oscar around me and felt that he couldn't get at me. Another creature joined us in the air lock and The material was smooth and did not bulge the way ours did. It looked like a dead tree trunk with bare branches and heavy roots. but the supreme improvement was its "helmet"-a glassy smooth wormface was grotesquely ridicu-

stood no closer than I had to. Pressure was dropping and I was busy wasting air to keep from swelling up. It reminded me of what I wanted most to know: what had happened to Peewee and the Mother Thing, So I keyed my radio and announced: "Radio check, Alfa, Bravo, Coca-" "Shaddap that nonsense, We

lous rather than terrifying. But I

want you, we'll tell you." The outer door opened and I had my first view of Pluto.

I don't know what I expected. Pluto is so far out that they can't get decent photographs even at Luna Observatory, I had read articles in the Scientific American and seen pictures in LIFE, boncstelled to look like photographs, and remembered that it was ap-

proaching its summer-if "summer" is the word for warm enough they had announced that Pluto was showing an atmosphere as it got closer to the Sun.

But I had never been much interested in Pluto – too few facts and too much speculation, too far away and not desirable real extent. By comparison the Moon was a choice residential suburty. Professor Tombaugh (the one the station was named for) was working on a giant electronic telescope to photograph it, under a Gugenheim grant, but he had a spe-genheim grant, but he had a spe-genheim grant, but he had a spe-

cial interest; he discovered Pluto years before I was born.

The first thing I noticed as the door was opening was click . . . click . . . click—and a fourth click.

in my helmet, as units all cut in.

The Sun was in front of me— I didn't realize what it was at first; it looked no bigger than Venus or Jupiter does from Earth (although much brighter). With no disc you could be sure of it, it looked like an electric arc.

Fats jabbed me in the ribs, "Snap out of your hop,"

A drawbridge joined the door to an elevated roadway that led into the side of a mountain about two hundred yards away. The road was supported on spidery legs two or three feet high up to ten or twelve, depending on the lay of the land. The ground was covered with snow, glaringly white even under that pin-point Sun. Where the stills were lowe.

est, about halfway, the viaduct crossed a brook.

What sort of "water" was that? Methane? What was the "snow? Solid ammonia? I didn't have tables to tell me what was solid, what was liquid, and what was gas at whatever bellish cold Pluto enjoyed in the "summer." All I knew was that it got so cold in its winter that if didn't have any

the Moon.

I was glad to hurry. A wind blew from our left and was not only freezing that side of me only freezing that side of me spite of Oscar's best efforts, it made the footing hazardost and other far safer to do that forced march on the Moon again than to fall into that "snow." Would a man struggle before shattered himself and his suit, or would he die as he hit?

gas or liquid-just vacuum, like

Adding to hazard of wind and no guard rail was traffic, spacesuited wormfaces. They moved at twice our speed and shared the road the way a dog does a bone. Even Skirmy resorted to fancy footwork and I had three narrow soueaks.

The way continued into a tunnel; ten feet inside a panel snapped out of the way as we got near it. Twenty feet beyond was another; it did the same and closed behind us. There were about two dozen panels, each behaving like a fast-acting gato valve, and the pressure was a little higher after each. I couldn't see what operated them although it ing ceilings. Finally we passed

care of and its doors stood open, Wormface was inside. The Wormface, I think, because he spoke in English: "Come!" I

heard it through my helmet. But I couldn't be sure it was he as there were others around and I would have less trouble telling

wart hogs apart. Wormface hurried away. He

was now wearing a space suit and I was relieved when he turned squirming mouth, but it was only a slight improvement as it brought into sight his rear-view eve. We were hard put to keep up

He led us down a corridor, to the right through another open double set of doors, and finally stopped suddenly just short of a hole in the floor about like a sewer manhole. "Undress itl" he com-

mets open, so I knew it was safe, in one way. But in every other way I wanted to stay inside Oscar as long as Wormface was around.

Fats unclamped my belmet. "Out of that skin, bub, Snap it upl" Skinny loosened my belt and they quickly had the suit off even though I hindered.

was out of Oscar he pointed at the hole, "Down!"

I gulped. That hole looked as

"Down," he repeated, "Now," "Do it, bub," Fats advised.

"Jump or be pushed. Get down

Wormface was around me and

chivving me back before I was well started. I slammed on the brakes and backed up-glanced behind just in time to turn a fall

into a clumsy jump. It was a long way to the bottom. Landing did not hurt the I turned an ankle. That didn't

matter: I wasn't going anywherethe hole in the ceiling was the only exit My cell was about twenty

feet square. It was, I suppose, carved out of solid rock, although there was no way to tell as the walls and floor and ceiling were the ship. A lighting panel covered read if I'd had anything to read. The only other detail was a jet of water that splashed out of a hole in the wall, landed in a depression the size of a washtub, and

departed for parts unknown. The place was warm, which

was well as there was nothing resembling bed or bedclothes. I had already concluded that I might be here quite a while and

was wondering about eating and I decided I was tired of this own business, out back of my

own house. Everything else was Wormface's fault! I sat down on

I finally gave up that foolishand the Mother Thing. Were they here? Or were they dead somewhere between the mountains and Tombaugh Station? Thinking it over glumly, I decided that poor little Peeweo was best off if she had never wakened from that scoond coma. I wasn't sure about the Mother Thing because I didn't know enough about her-but in

Well, there was a certain appropriateness to the fix I was in: a knight errant usually lands in a dungeon at some point. But hy rights, the maiden fair ought to be prisoned in a tower in the same crrant, I'm a good soda jerk. Or ierk. "His strength is as the

I got tired of punishing myself -not that it mattered. But a prisoner is traditionally expected to scratch marks on the wall, tallying the days he's been in, so I

thought I might as well start. My watch was on my wrist but not running and I couldn't start it, Maybe eight g's was too much for netism-proof, and immune to un-American influences.

After a while I lay down and went to sleep.

I was awakened by a clatter. It was a ration can hitting the but the key was on it and I got it open-corned-beef hash and can to drink from-the water might be poisoned, but did I have a choice?--and then washed the

can so that it wouldn't smell The water was warm. I took a

have ever needed a bath as much as I did. Then I washed my clothes. My shirt, shorts, and socks were wash-and-wear synthetics: my slacks were denim and took longer to dry, but I didn't mind; I just wished that I had one of the two hundred bers of Skyway Soap that were home on the floor of my closet. If I had

take inventory. I had a handkerchief, 67 cents in change, a dollar bill so sweat-soaked and worn

ical pencil stamped "lay's Drive-In-the thickest malts in town!" and a grocery-list I should have taken care of for Mother but hadn't because of that silly air-

had been in my shirt nocket at them. They did not look like a collection that could be reworked into a miracle weapon with which I would blast my way out, steal a ship, teach myself to pilot it, and return triumphantly to warn the President and save the country. I rearranged them and they still didn't.

gled as the dollar bill because it

I was correct. They weren't,

I woke up from a terrible nightmare, remembered where I was, and wished I were back in the nightmare. I lay there feeling sorry for myself and presently eves while my chin trembled. I had never been hadgered "not to be a crybaby": Dad says there is nothing wrong with tears: it's just that they are socially not acceptable-he says that in some cultures weeping is a social grace. But in Horace Mann Gramman School a crybaby was no asset: I gave it up years ago, Besides. it's exhausting and gets you nowhere I shut off the rain and took

My action list ran like this

2. Find Oscar, suit up.

3. Go outdoors, steal a ship, head home-if I could figure out

4. Figure out a weapon or stratagem to fight off the wormfaces or keep them busy while I sneak out and grab a ship, Nothing to it. Any superman capable of teleportation and other assorted psionic tricks could do it. Just be sure the plan is foolproof and that your insurance is paid

5. Crash priority: make sure, before bidding farewell to the romantic shores of exotic Pluto and its friendly colorful natives. that neither Peewee nor the Mother Thing is here-if they are. take them along-because, conto be a dead bero than a live louse. Dying is messy and inconvenient but even a louse dies some day no matter what he will at the hero business had shown that it was undesirable work, but the alternative was still less at-

The fact that Peewee knew how to gun those ships, or that the Mother Thing could coach me. did not figure. I can't prove that,

tractive.

one of their ships, could I do so at eight gravities? That may simply call for arch supports for a wormface but I knew what eight g's did to me. Automatic pilot? If so, would it bave directions on it, in English? (Don't be silly, Ciliford!)

Subordinate footnote: How long would it take to get home at one gravity? The rest of the century? Or just long enough to starve to

death?

6. Occupational therapy for the bulk when I go stale on the problems. This was important in order learn. This was important in order learning the state of the problems of the state of the strongest operation. The strongest operation is sufficient with the strongest operation of the strongest operation. The strongest operation is sufficient with the strongest operation of the strongest operation of the strongest operation in the strongest operation of the strongest operation operation operation of the strongest operation opera

myself. Lions put up with zoos and wasn't I smarter than a lion? Some, anyhow? And so to work— One: How to

get out of this hole?

I came up with a straightforward answer: there wasn't any way. The cell was twenty feet of a side of a celling twelve feet high; the walls were as smooth as a haby's check and as impervious as a bill collector. The other features were the hole the celling, which ran about six feet still hieber, the stream of feet still hieber, the stream of

water and its catch basin, and a glowing area in the ceiling. For tools I had the stuff previously listed (a few ounces of nothing much, nothing sharp, nor explosive, nor corrosive), my clothes, and an emby tin can

I tested how high I could jump. Even a substitute guard needs springs in his legs—I touched the ceiling. That meant a gravity around one-half g—I hadn't been able to guess, as I had had an endless time under one-sixth gravity followed by a few cons at eight y's: my refuces had been mis-

treated.

But, although I could touch the ceiling, I could neither walk on it nor levitate. I could get that high, but there was nothing a mouse could cling to.

Well, I could rip my clothes and braid a rope, Was there anything near the hole on which to catch it? All I could recall was smooth floor. But suppose it die catch? What next? Paddle around in my skin until Wormface spotted me and herded me back down, this time with no clothes? I decided to postopone the rope trick until I worked out that next steps and the tribe confound Wormface and the tribe confound Wormface and the tribe.

I sighed and looked around. All that was left was that jet of water and the floor basin that caught it. There is a story about two frogs trapped in a crock of cream. One sees bow boreless it is, gives up and drowns. The other is too stupid to know he's licked; he keeps on paddling. In a few hours he has churned so much butter that it forms an island, on which he floats, cool and comfortable,

chucks him out.

That water spilled in and ran

out. Suppose it didn't run out?

I explored the bottom of the
catch basin. The drain was large
by our standards, but I thought
I could plug it. Could I stay affoat
while the room filled up, filled the
hole above, and pushed me out
the spout? Well, I could find out,

The can looked like a pint and a "pint's a pound the world vanuel" and a cubic foot of water weights (no Earth) a little over got pounds. But I had to be sure. My feet are eitered inches long, the sure the sure of the sure

I held the can under the stream, letting it fill and dumping it fast, while I ticked off cans of water on my left hand and counted seconds. Eventually I calculated how long it would take to fill the It would take fourteen hours to fill the room and the hole above, plus an hour to allow for crude methods. Could I stay affoat that long?

You're darn tootin' I could!—
if I had to. And I had to. There
isn't any limit to how long a man
can float if he doesn't panic.
I halled any look and waffed

I halled my slacks and stuffed them in the drain. I almost let them, so I wrapped them around the can and used the bundle as a cork. It stayed put and I used the rest of my clothes to caulk fi. Then I waited, feeling cocky. Maybe the floor would create the

the caper. Slowly the basin filled.

The water got about an inch
below floor level and stopped.

A pressure switch, I suppose. I should have known that creatures who could build eight-g, constant-boost ships would design plumbing to "fall-safe." I wish we could.

one sock, and spread them to dry.

I hoped the sock would foul a
pump or something but I doubted
it; they were good engineers.

it; they were good engineers.

I never really believed that

Another can was tossed downroast beef and soggy potatoes. It was filling but I began to long for peaches. The can was stenciled AVAILABLE FOR SUMBLIZED MUSICE ON LUNA which made it possible by this food honestly. I wondered low they liked sharing their supplies? No doubt they did so only because Wormface had twisted their arms. Which made me wonder why Wormface wanted me alive? I was in favor of it but couldn't see why be way. I de-

cided to call each can a "day" and let the emptites be, my calendar. Which reminded me that I had not worked out how long it would take to get home on a one-gloost, if it turned out that I could ror arrange autoematic plotting at eight gis. I was stymied on getting out of the cell, I hadn't even nibbled at what I would do if I did set out (correction; when I

got out), but I could work ballis-

I didn't need books. I've met people, even in this day and age, who can't tell a star from a planet and who think of astronomical distances simply as "big," They remind me of those primitives who have just four numbers: one, to, three, and "many." But any tenderfoot Scout knows the basic facts and a fellow bitten by the space bug (such as myself) and the property of the property

"Mother very thoughtfully made a jelly sandwich under no protest." Could you forget that after saying it a few times? OK, lay it

(assorted prices, unimportant)

Jelly Jupiter \$5.20

Sandwich Saturn \$9.50

Now we come to a loker. The list says that Plut's distance is thirty-nine and a half times Earth's distance. But Pluto and Mercury have very occentric or-tance varies almost tuo billion miles, more than the distance from the Sun to Uranus. Pluto creeps to the orbit of Neptune and a half inside, then swings way out and stays there a couple round trips in a thousand year.

But I had seen that article about how Pluto was coming into its "summer." So I knew it was close to the orbit of Neptune now, and would be, the rest of my life -my life expectancy in Centerville; I didn't look like a preferred side, been Thear are now as the

risk here. That gave an easy figure 30 astronomical units. Acceleration problems are simples = 8 at 14 statutes equals half the acceleration times the square of elapsed time. If astropation were that simple any sophomore ecold pilot a rocket simple accept light and the fact that could be supposed to the strength of t

close I wanted a rough answer.

I missed my slipetick, Dad says that anyone who can't use a side rule is a cultural littlerate and should not be allowed to vote. Log-log Duples Decitrig, Dad surprised me with it after I mastered a ten-inch polophase, thered a ten-inch polophase Dad says you should always budget insuries first. I knew. No matter, I had firmers, for-

factor matters until you are very

mula, pencil and paper.

First a check problem. Fats had said "Fluto," "five days," and eight gravities."

It's a two-piece problem: accelerate for half time (and half distance); do a skew-flip and decelerate the other half time (and distance). You can't use the whole distance in the equation, as "time" appears as a square—it's a parabolic

Was Pluto in opposition? Or quadrature? Or conjunction? Nobody looks at Pluto-so why remember where it is on the ecliptic? Oh, well, the average distance was 30 A.U.s-that would give a close-enough answer.

Half that distance, in feet, is: % x 30 x 93,000,000 x 5280.

Eight gravities is: 8 x 32.2 ft./sec./sec.—speed increases by 258 feet per second every second up to skew-flip and decreases just

as fast thereafter. So-30 x 93 x 10° x 5280 feet

i = kx 8 x 32 z fect/sec³ x (!)²
- and you wind up with the time
for half the trip, in seconds.
Double that for full trip, Divide
by 9800 to get hours; divide by
24 and you have days. On a slide
rule such a problem takes forty
seconds, most of it to get your
decimal point correct. It's as easy

It took me at least an hour and almost as long to prove it, using a different sequence—and a third time, because the answers didn't match (1 had forgotten to multiply by 5290, and had "miles" on one side and "feet" on the other—a no-good way to do arithmetic), then a fourth time because my confi-

HAVE SPACE SUIT-WILL TRAVEL

dence was shaken. I tell you, the slide rule is the greatest invention since girls.

But I got a proved answer. Five and a half days. I was on Piuto.

Or maybe Neptune— No, on Neptune I would not be able to jump to a 12-feet colling; Pluto alone matched all facts. So I erased and computed the trip at one gravity, with turn-over.

at one gravity, Fifteen days.

Efficient days.

It seemed to me that it ought.

It seemed to the three a long of the three a long of at one g as at eight-more likely starty-four. Then I was glad I had builed my way through analytical geometry for I made a rough plot and asw the trouble. Squared because the more boost, the storter the trip, and the shorter the trip, the less time in which to use the built-up speed. To cut time in half, you need four times in half, you need four times a summer of the storter of th

lies bankruptcy.

To learn that I could get home in about two weeks at one gravity cheered me, I couldn't starve in two weeks. If I could steal a ship, If I could run it. If I could climb

out of this hole. If—
Not "if," but "when". I was too
late for college this year; fifteen

I had noticed in the first problem, the speed we had been making at skew-flip. More than eleven thousand miles per second. That's a nice speed, even in space. It made me think. Consider the nearest star. Proxima Centauri, four and three-tenths light-years away, the distance you hear so often on quiz shows. How long

often on quiz shows. How long at eight g's?

The problem was the same sort but I had to be careful about decimal points; the figures mount up.

A light-year is—I had forsotten.

So multiply 186,000 miles per second (the speed of light) by the seconds in a year (365.25 x 24 x 3600) and get = 5,880,000,000,-

-multiply that by 4.3 and get-25,284,000,000,000 Call it twenty-five trillion miles.

It works out to a year and five months—not as long as a trip around the Horn only last century.

around the Horn only last century.

Why, these monsters had star
travel!

rised; it had been staring me in the face. I had assumed that Wormface had taken me to his home planet, that he was a Pittonian, or Plutocrat, or whatever the word is. But he couldn't be.

He breathed air. He kept his

He breathed air. He kept his ship warm enough for me. When he wasn't in a hurry, he cruised at one g, near enough. He used lighting that suited my eyes. Therefore be came from the sort of planet I came from.

Proxima Centauri is a double

star, as you know if you do crossword puzzles, and one is a twin

guess that it has a planet like

I knew where he didn't come from. Not from a planet that runs a couple of centuries in utter airlessness with temperatures push-"summer" in which some gases even Wormface has to wear a space suit. Nor from anywhere

don't look like us but they like the things we like-there must be a thousand spiders in our houses for every one of us. Wormface and his kin would like Earth, My fcar was that they

I looked at that Proxima Cen-

1,110,000 miles per second, six times the speed of light. Relativity theory says that's impossible. I wanted to talk to Dad about

it. Dad reads everything from The Anatomy of Melancholy to Acta Mathematica and Paris-Match and will sit on a curbstone separating damp news-

with other opinions. Dad doesn't hold with the idea that it - must be - true - or - they - wouldn't + have - printed - it: he doesn't consider any opinion sacred - it shocked me the first time he took out a pen and changed something

would take generations that we of lunar mountains is a long way but a trillion miles in empty space may not be.

a limit, four or five years wasn't

But what was Wormface doing on Pluto? If you were invading another

solar system, how would you start? I'm not joking; a dungeon on Pluto is no joke and I never just barge in, or toss your hat in us in engineering but they couldn't have known that ahead of time. Wouldn't it he smart to build a supply base in that sys-

tem in some spot nobody ever bases, say on an airless satellite of a likely-looking planet, from face of the target planet. If you lost your scouting base, you would pull back to main base and work

out a new attack. Remember that while Pluto is a long way off to us, it was only fixe days from Lams for Wern-Free Lamber of Wern-Free Lamber of Wern-Free Lamber of Wern-Free Lamber of Luck-Albuto) but only about five days from advance base (England/The Moon) which is better that the lamber of L

War II.

I just hoped it would not work

I just hoped it would not wo for Wormface's gang.

Integral a durat see anything to green it.

Somehoody chucked down another can-speakett and must discuss the control of the can-speakett and must be control of the canada and the canada

Then I ate. I felt sleepy and went to sleep in a warm glow. I was still a prisoner but I had a weapon of sorts and I believed that I had figured out what I was

up against. Getting a problem analyzed is two-thirds of solving it. I didn't have nightmares.

The next thing tossed down the hole was Fats.

Skinny landed on him seconds later. I backed off and beld my dagger ready. Skinny ignored me, picked himself up, looked around, went to the water spout and got a drink. Fats was in no shape to do anything; his breath was knocked out.

I looked at him and thought what a nasty parcel he was. Then I thought, oh, what the deucel—he had massaged me when I needed it. I heaved him onto his stomach and began artificial respiration. In four or five pushes his motor caught and he was able to breathe. He gasped, "That's

I backed off, got my knife out. Skimy was sitting against a wall, ignoring us. Fats looked at my feeble weapon and said, "Put that away, kid. We're bosom buddies now."

"We are?"

"Yeah. Us human types had
better stick together." He sighed
wretchedly. "After all we done for

him! That's gratitude."

"What do you mean?" I de-

manded.

"Huh?" said Fats. "Just what I said. He decided he could do without us. So Annie doesn't live

Fats screwed his face into a pout, "You shaddap," he said day long-and look where we

"Shaddap, I said." Fats shut up. I never did find out what had happened, because Fats seldom gave the same explanation twice. The older man never spoke except for that tiresome order to shut up, or in monosyllables even less helpful. But one thing was clear; they had lost their fobs as assistant gangsters, or fifth columnists, or whatever you call a human being who would stooge against his own race, Once Fats said, "Matter of fact, it's your fault."

"Mine?" I dropped my hand to my tin-can knife.

"Yours, If you hadn't butted in, he wouldn't have got sore." "I didn't do anything."

"Says you. You swiped his two best prizes, that's all, and held him up when he planned to high-"Oh. But that wasn't your fault."

"So I told him, You try telling him. Take your hand away from that silly nail file." Fats shrugged. "Like I always say, let bygones be bygones."

I finally learned the thing I wanted most to know. About the fifth time I brought up the matter want to know about the brat for?" "I just want to know whether

she's alive or dead." "Oh, she's alive. Leastwise she

was last time I seen her." "You ask too many questions.

"She's here?" I said eagerly. "That's what I said, wasn't it? Around everywhere and always

underfoot. Living like a princess, if you ask me." Fats picked his teeth and frowned. "Why he should make a pet out of her and treat us the way he did, beats me. It ain't right." I didn't think so, either, but

for another reason. The idea that callant little Peewee was the spoiled darling of Wormface I found impossible to believe. There was some explanation-or Fats was lying. "You mean he

doesn't have her locked up?" "What's it get him? Where's she gonna gop

I had pondered that myself. Where could you go?-when to step outdoors was suicide. Even

that, at least, was probably locked um), even if a ship was at hand and empty when she got outside, even if she could get into it, she still wouldn't have a "ship's brain," the little gadget that served as a lock. What happened to the Mother Thing?"

"The-" I besitated. "Ub, the non-human who was in my space suit with me. You must know, you were there. Is she alive? Is

she here?"

But Fats was brooding, "Them bugs don't interest me none," he

said sourly and I could get no more out of him.

But Peewee was alive (and a hard lump in me was suddenly gone). She was here! Her chances, even as a prisoner, had been enormously better on the Moon; nevertheless I felt almost ecstatic to know that she was near. I beza thinking about ways

to get a message to her.

As for Este's insimuation that
As for Este's insimuation that
As for Este's insimuation for
face, it bothered me not at all,
Peewee was unpredictable and
sometimes a brat and often exapperating, as well as conceited,
supercilious, and downright childtish. But she would be burned
alive rather than turn traitor.

Joan of Archad out been made

We three kept uneasy truce. I avoided them, slept with one eye open, and tried not to sleep unlies they were asleep first, and miles they were asleep first, and the sleep of the sleep sleep in the sleep sleep sleep in the sleep sleep

was. The reason I think so comes from the first time we were fed. Three cans dropped from the ceiling; Skinny picked up one, Fats got one, but when I circled around to take the third, Fats

I said, "Give me that, please," Fats grinned. "What makes you think this is for you, sonny boy?"

think this is for you, sonny boy?"
"Uh, three cans, three people."
"So what? I'm feeling a mite
hungry. I don't hardly think I

can spare it."

"Tm hungry, too. Be reasons able."

s able."
s "Mmmm . . ." He seemed to
consider it, "Tell you what, I'll

sell it to you."

I hesitated. It had a shifty
logic, Wormface couldn't walk
into Lunar Base commissary and
buy these rations, probably Fats
or his partner had bought them.
I wouldn't mind signing LO.U.s
—a hundred dollars a meal.

longer meant anything. Why not humor him? No! If I gave in, if I admitted I had to dicker with him for my prisen rations, he would own me. I'd wait on him hand and foot, do anything he told me, just to

I let him see my tin dagger.
"I'll fight you for it."

"I'll fight you for it."

Fats glanced at my band and grinned broadly. "Can't you take a joke?" He tossed me the can.

There was no trouble at feeding

times after that. S We lived like that "Happy w

Family" you sometimes see in traveling zoos; a lion caged with a lamb. It is a startling exhibit frequently. Fats liked to talk and I learned things from him, when I could sort out truth from lies. His name - so he said - was Jacques de Barre de Vigny ("Call me 'lock.'") and the older mar was Timothy Johnson-but I had a hunch that their real names could be learned only by inspecting post-office bulletin boards Despite Jock's pretense of knowing everything, I soon decided that he knew nothing about Wormface's origin and little about face did not seem the sort to discuss things with "lower animals": he would simply make use of them, as we use horses. lock admitted one thing readily.

"Yeah, we put the snatch on the brat. There's no uranium on the Moon; those stories are just to get suckers. We were wasting our time—and a man's got to eat, don't he?"

I didn't make the obvious re-

tort; I wanted information. Tim said, "Shaddap!"

"Aw, what of it, Tim? You worried about the FBI? You think

worried about the FBI? You think the MAN can put the arm on you-here?"
"Shaddap, I said."

"Happens I feel like talking

So blow it." Jock went on, "It was easy. The brat's got more curiosity than seven cats. He knew she was coming and when." lock looked thoughtful, "He always knows-he's got lots of people working for bim, some high up. All I had to do was be in Luna City and get acquainted -I made the contact because Tim here ain't the fatherly type, the way I am. I get to talking with her, I buy her a coke, I tell her about the romance of hunting uranium on the Moon and similar hogwash. Then I sigh and say it's too bad I can't show her the mine of my partner and I. That's all it took. When the tourist party visited Tombaugh Station, she got away and sneaked out the lockshe worked that part out her ownself. She's sly, that one. All we had to do was wait where I told her-didn't even have to be rough with her until she got worried about taking longer for the crawler to get to our mine than I told her." Jock grinned.

"She fights pretty well for her weight. Scratched mc some." Poor little Peeweel Too bad she hadn't drawn and quartered him But the story sounded true for it was the way Peewee would behave-sure of herself, afraid of no one, unable to resist any "educational" experience. Jock went on, "It wasn't the

brat he wanted. He wanted her

get him to the Moon, didn't was a bad time, things ain't good But he had to settle for the brat. Tim here pointed out to him he

Tim chucked in one word which I took as a general denial, lock raised his evebrows. "Listen to vinegar puss. Nice manners, ain't

since I was digging for facts, not philosophy. But I've got Peewee's failing myself; when I don't understand, I have an unbearable itch to know why. I didn't (and don't) understand what made lock tick. "Jock? Why did you

"Look, you're a human being," (At least he looked like one.) "As you pointed out, we bumans had better stick together. How could you bring yourself to kidnap a little girl-and turn ber over to

"Are you crazy, boy?" "I don't think so."

"You talk crazy. Have you ever tried not doing something he wanted? Try it some time." I saw his point. Refusing

Wormface would be like a rabbit spitting in a spake's eve-as I knew too well. Jock went on. "You got to understand the other man's viewpoint. Live and let live, I

for carnotite-and after that, we never stood no chance. You can't fight City Hall, that gets you nowhere. So we made a dickerwe run his errands, be pays us in

My faint sympathy vanished, I wanted to throw up, "And you got

paid?" "Well . . . you might say we got time on the books

I looked around our cell, "You made a bad deal."

lock grimseed, looking like a

sulky baby. "Maybe so. But be reasonable, kid. You got to cooperate with the inevitable. These boys are moving in-they got what it takes. You seen that yourself, Well, a man's got to look out for number one, don't he? It's a cinch nobody else will. Now I seen a case like this when I was no older than you and it taught me a lesson. Our town had run quietly for years, but the Big Fellow was getting old and losing his grip . . . whereupon some boys from

St. Louis moved in, Things were confused for a while. A man had he woke up wearing a wooden overcoat, like as not. Thoso that seen the handwriting made out: those that didn't . . . well, it don't do no good to buck the current. I always say, That makes sense,

I could follow his "logic"provided you accepted his "live louse" standard, But he had left out a key point. "Even so, Jock, I don't see how you could do that

I don't see how you could do to to a little girl."

"Huh? I just explained how we couldn't help it."

"But you could. Even allowing how hard it is to face up to him

and refuse orders, you had a perfect chance to duck out."

"Wha' d'you mean?"
"He sent you to Luna City to find her, you said so. You've got a roturn-fare benefit—I know you have, I know the rules, All you had to do was sit tight, where he couldn't reach you—and take the next ship back to Earth. You dish't have to do his dirty work."

"But-"

I cut him off. "Maybe you couldn't help yourself, out in a hunar desert. Maybe you wouldn't

hmar desert. Maybe you wouldn't feel safe even inside Tombaugh Station. But when he sent you into Luna City, you had your chance. You didn't have to steal a little girl and turn her over to a—a bugeyed monster!" He looked baffled, then an-

He looked ballied, then answered quickly. "Kip, I like you. You're a good boy. But you ain't smart. You don't understand." "I think I do!"

"No, you don't." He leaned towards me, started to put a hand on my knee; I drew back. He went on, "There's something I didn't tell you... for fear you'd think I was a-well, a zombie, or something. They operated on us."

"Huh?"

"They operated on us," be went
on glibly. "They planted bombs
in our heads. Remote control like

on glibly. "They planted bombs in our heads. Remote control, like a missile. A man gets out of line ... he punches a button—blooie!

Brains all over the ceiling." He fumbled at the nape of his neck. "See the scar? My hair's getting kinda long . . . but if you look close I'm sure you'll see, it can't've disappeared entirely. See it?"

I started to look. I might even have been sold on it—I had been forced to believe less probable things lately. Tim cut short my suspended judgment with one explosive word.

lock flinched, then braced him-

Jock flinehed, then braced himself and said, "Don't pay any attention to him!"

I shrugged and moved away, Jock didn't talk the rest of that "day." That suited me.

The next "morning" I was roused by Jock's hand on my shoulder. "Wake up, Kipl Wake up!"

I groped for my toy weapon.

"It's over there by the wall," Jock said, "but it ain't ever goin' to do you any good now."

I grabbed it. "What do you mean? Where's Tim?"

"You didn't wake up?"
"Hub?"

"This is what I've been scared of Cripes, boy! I just had to talk to somebody. You slept through "Through what? And where's

Tim?"
Jock was shivering and sweating. "They blue-lighted us, that's
what. They took Tim." He shuddered. Tim glad it was him. I
thought-well, maybe you've noticed I'm a little stout.... they

like fat."
"What do you mean? What have they done with him?"

have they done with him?"
"Poor old Tim. He had his faults, like anybody, but— He's soup, by now . . . that's what."
He shuddered again. "They like soup—bones and all."

"I don't believe it. You're try-

ing to scare me."
"So?" He looked me up and down. "They'll probably take you next. Son, if you're smart, you'll take that letter opener of yours over to that horse trough and open your veins. It's better that way."

I suid, "Why don't you? Here, I'll lend it to you."

He shook his head and shivered. "I ain't smart."

I don't know what became of Tim. I don't know whether the wormfaces ate people, or not. (You ean't say "cannibal." We may be mutton, to them.) I wasn't especially seared because I had

long since blown all fuses in my "seare" circuits.

What happens to my body after I'm through with it doesn't matter to me. But it did to Jock; he had a phobia about it. I don't think Jock was a coward; cowards don't even try to become prosprosectors on the Moon. He believed his theory and it shook him. He halfway admitted that he had more reason to believe it than I had known. He had been to Fluto once before, so he said, and other men who had come alone, or been

dragged, on that trip hadn't come back.

When feeding time came—two cuns—he said he wasn't hungry and offered me his ration. That "night' he sat up and kept himself awake. Finally I just had to go to sleep before he did.

I awake from one of those

dreams where you can't move.
The dream was correct; sometime not long before, I had surely
been blue-lighted.
Jock was gone.
I never saw either of them

I never saw either of the again.

Somehow I missed them . . . Jock at least. It was a relief not to have to watch all the time, it was luxurious to bathe. But it gets mighty boring, pacing your cage alone.

I have no illusions about them.
There must be well over three billion people I would rather be locked up with. But they were people.

locked up with. But they were people.

Tim didn't have anything else to recommend him; he was as coldly victous as a guillotine. But lock had some slight awareness of right and wrong, or he wouldn't have tried to justify himself. You

have tried to justify himself. ! might say he was just weak.

But I don't hold with the idea that to understand all is to forgive all; you follow that and first thing you know you're sentimental over nurderers and rapists and kidnappers and forgetting their victims. That's wrong, I'll weep over the likes of Peewe, not over criminals whose victims they are. I missed Jock's talk but

such creatures at birth, I'd take my turn as executioner. If they ended up as soup for hobgohlins, I couldn't honestly be sorry—even though it might

be my turn tomorrow.

As soup, they probably had

...

I was jarred out of useless brain-eudgeling by an explosion, a sharp crack—a bass numble then a whoosh! of reduced pressure. I bounced to my feet—anyone who has ever depended on a space suit is never again indifferent to a drop in pressure.

I gasped, "What the deuce!"
Then I added, "Whoever is on watch had better get on the ball—or we'll all be breathing thin cold stuff." No oxygen outside, I was sure—or rather the astronomers were and I didn't want to test it.

Then I said, "Somebody bomb-

ing us? I hope.
"Or was it an earthquake?"

This was an idle remark. That Scientific American article concerning "summer" on Pluto had peedicted "sharp isostatic read-justments" as the temperature rose-which is a politic way of saying, "Hold your hats! Here comes the chimney!"

I was in an earthquake ouce, in Santa Barbara; I didn't need a booster shot to remember what every Californian knows and others learn in one lesson: when the ground does a jig, Get Out-

Only I couldn't.

I spent two minutes checking

whether adrenalin had given me the strength to jump eighteen feet instead of twelve. It hadn't. That was all I did for a half hour, if you don't count nall biting. Then I heard my name! "Kipl

Oh, Kip!"

"Peewee!" I screamed. "Herel

Silence for an eternity of three heart beats . . . "Kip?"

"Down HERE!"
"Kip? Are you down this hole?"

"Yes! Can't you see me?" I saw her head against the light above. "Uh, I can now. Oh, Kip, I'm so glad!"

so glad!"
Then why are you crying? So

am I!"
"I'm not crying," she blubbered.
"Oh Kip..., Kip."

"Uh-" She surveyed that drop.
"Stay where you are."
"Don't go 'work " She already

"Don't go 'way-" She already had. She wasn't gone two minutes:

it merely seemed like a week. Then she was back and the darling had a nylon rope!

"Grab onl" she shrilled.
"Wait a see. How is it fas-

"I'll pull you up."

"No, you won't-or we'll both be down here. Find somewhere to delay it."

"I can lift you."
"Belay it! Hurry!"

She left again, leaving an end in my hands. Shortly I heard very faintly: "On belau!"

I shouted, "Testing!" and took up the slack. I put my weight on it—it held. "Climbing!" I yelled, and followed the final "g" up the hole and caught it.

around my neck, one around Madame Pompadour, and both of mine around her. She was even smaller and skinnier than I remembered. "Oh, Kip, it's been just awful."

I patted her bony shoulder

blades. "Yeah, I know. What do we do now? Where's W—" I started to say, "Where's

Wormface?" but she burst into tears.
"Kip—I think she's dead?"
My mind skidded—I was a bit

op. stir crazy anyhow. "Huh? Who?"
op. She looked as amazed as I
was confused. "Why, the Mother

Thing."

"Oh." I felt a flood of sorrow.

"But, honey, are you sure? She was talking to me right up to the

last-and I didn't die."
"What in the world are you talk. Oh I don't mean then

talk- Oh. I don't mean then, Kip; I mean now."

"Huh? She was here?"
"Of course. Where else?"
Now that's a silly question, it's

Now that's a sulty question, its a big universe. I had decided long ago that the Mother Thing couldn't be here-because Jock had brushed off the subject. I reasoned that Jock would either have said that she was here or have invented an elaborate lie, for the pleasure of iving. Therefore

she wasn't on his list—perhaps ho had never seen her save as a bulge under my suit. I was so sure of my "logic" that it took a long moment to throw off prejudice and accept fuct. "Peewee," I said, gulping, "I feel

like I'd lost my own mother, Are you sure?"
"Feel as if," she said automatically. "I'm not sure sure

but she's outside—so she must be dead."
"Wait a minute? If she's outs side, she's wearing a space suit.

side, she's wearing a space suit. Isn't she?"
"No, no! She hasn't had one—

not since they destroyed her ship.

I was getting more confused.

"How did they bring her in here?"
"They just sacked ber and scaled her and carried her in. Kip

scaled her and carried her in. Kip

-tohat do we do now?"

I knew several answers, all of

them wrong. I had already considered them during my stretch in jail. "Where is Wormface?" Where are all the wormfaces?"

"Oh. All dead. I think."

"I hope you're right." I looked around for a weapon and never saw a ballway so bare. My toy dagger was only eighteen feet away but I didn't feel like going

back down for it. "What makes you think so?"

you think so?"
Peewee had reason to think so.
The Mother Thing didn't look
strong enough to tear paper but
what she lacked in beef she made
up in brains. She had done what
the braid the she had to she what
the braid the she had to she had
not been alle to hurry because
her plan had many factors, all of
which bad to mesh at once and
many of them she could not influence; she had to wait for the

breaks.

First, she needed a time when there were few wormfaces around. The base was indeed a large supply dump and spaceport and transfer point, but it did not need a large staff. It had been unusually crowded the few moments I had seen it because our ship

Second, it also had to be when no ships were in because she couldn't cope with a ship-she

nunt cope with a simp—sn ildn't get at it. Third H-Hour had to be whil

the wormfaces were feeding. They all ate together when there were few enough not to have to use their mess hall in relayation to the second one big tith and sopping it up, I gathered: a scene out of Dante. That would place all her enemies on one target, except possibly one or two on engineer-

"Walt a minute!" I interrupted.
g "You said they were all dead?"
s "Well . . . I don't know. I

haven't seen any."

"Hold everything until I find something to fight with."

"But-"

Saying that I was going to find a weapon wasn't finding one, more holes like the one I had been down-which was why Perwee had looked for me there: it was one of the few places where she had not been allowed to wander at will, lock had been correct on one point: Peewee - and the Mother Thing - had been star prisoners, allowed all privileges except freedom . . . whereas lock and Tim and myself had been third-class prisoners and/or soup bones. It fitted the theory that Peewee and the Mother Thing were hostages rather than ordi-

nary P.W.s.
I didn't explore those holes

after I looked down one and saw a human skeleton-maybe they got tired of tossing food to him. When I straightened up Peewee said, "What are you shaking

out?"
"Nothing, Come on,"

"Nothing. Come of "I want to see,"

"Peewee, every second counts and we've done nothing but yak.

I kept her from seeing the skeleton, a major triumph over that little curiosity box—although it probably would not have affected her much; Peewee was sentimental only when it suited

"Stay behind me" had the correct gallant sound but it was not based on reason. I forgot that attack could come from the rear— I should have said: "Follow me and watch behind us."

She did anyway. I heard a squeal and whirled around to see a wormface with one of those camera-like things aimed at me. Even though Tim had used one on me I didn't realize what it

But not Peewee. She launched herself through the air, attacking with both hands and both feet in the gallant audacity and utter recklessness of a kitten.

That saved me. Her attack would not have hurt anything but another kitten but it mixed him up so that he didn't finish what he was doing, namely paralyzing

y and went down.

And I stomped him. With my

And I stomped him. With my bare feet I stomped him, landing on that lobster-horror head with both feet.

His head crunched.

It was like jumping in a strawberry box. It splintered and crunched and went to pieces. I

crunched and went to pieces. I critoged at the feel, even though I was in an agony to fight, to kill. I trampled worms and hopped away, feeling sick. I scooped up Peewee and pulled her back, as anxious to get clear as I had been to join battle seconds before. I hadn't killed it. For an awful

moment I thought I was going to have to wade back in. Then I saw that while it was alive, it did not seem aware of us. It slopped like a chicken freshly chopped, then quieted and began to move purposefully.

But it couldn't see. I had smashed its eyes and maybe its ears—but certainly those terrible eyes.

it It felt around the floor carefully, then got to its feet, still undamaged except that its head was g a crushed ruin. It stood still, braced tripod-style by that third appendage, and felt the air. I

pulled us back farther.

It began to walk. Not toward us or I would have screamed. It moved away, richocheted off a

wall, straightened out, and went back the way we had come. It reached one of those holes they used for prisoners, walked

into it and dropped.

I sighed, and realized that I had been holding Pecwee too tightly to breathe. I put her down.

'There's your weapon," she

"Hub?"
"On the floor, Just beyond where I dropped Madame Pompadour. The gadget." She went over, picked up her dolly, brushed away bits of ruined wormface, then took the camera-like thing.

and banded it to me. "Be careful. Don't point it toward you. Or me."
"Pecwee," I said faintly, "don't

you ever have an attack of nerves?" "Sure I do. When I bave leisure

for it. Which isn't now. Do you know how to work it?"

No. Do you?"
I think so. I've seen them, and
the Mother Thing told me about
them." She took it, handling it it
eather of it. There holes on top
tether of it. There holes on top
tether of it. There holes on top
if you uncover them all, it kills.
To make it work you push it
here. "She did and a bright blue
light shot out, pasheded againt
the wall. "The light doesn't do
anything," she added. "It's for
aiming, I hope there want anywall. No. I house there was view.

No. I house there was view.

know what I mean."

It looked like a cockeyed 35 mm. camera, with a lead lens—one built from an oral description. I took it, being very cautious where I pointed it, and looked at it. Then I tried it—full force, by mistake.

The blue light was a shaft in the air and the wall where it hit glowed and began to smoke. I shut it off.

"You wasted power," Peewee chided. "You may need it later." "Well, I had to try it. Come on, let's go."

Peewee glanced at her Mickey Mouse watch—and I felt irked that it had apparently stood up when my fancy one had not. "There's very little time, Kip. Can't we assume that only this one escaped?"

"What? We certainly cannot!
Until we're sure that all of them
are dead, we can't do anything
else. Come on."
"But—Well I'll lead I know

"But— Well, I'll lead. I know my way around, you don't."

"Yes!"
So we did it her way: she led

and carried the blue-light projector while I covered the rear and wished for a third eye, like a wormface. I couldn't argue that my reflexes were faster when they weren't, and she knew more than I did about our weapon. But it's graveling, just the same.

The base was huge; half that mountain must have been honeycombed. We did it at a fast trot. ignoring things as complicated as museum exhibits and twice as interesting, simply making sure that ready, talking twenty to the

dozen and urging me on. Besides an almost empty base. no ships in, and the wormfaces feeding, the Mother Thing's plan required that all this happen

"Why?" I panted "So she could signal her people,

"But-" I shut up, I had wondered about the Mother Thing's people but didn't even know as much about her as I did about Wormface-except that she was everything that made ber the Mother Thing. Now she was dead Prewee said that she was outside without a space suit, so she was purely dead: that little soft warm thing wouldn't last two seconds in that ultra-arctic weather. Not to mention suffocation and lung

Of course, Peewce might be wrong. I had to admit that she of the times . . . in which case we would find her. But if we didn't find her, she was outside and-"Pcewee, do you know where my

"Huh? Of course, Right next to where I got this." She patted the

nylon rope, which she had coiled around her waist tied in a bow. "Then the second we are sure

that we've cleaned out the wormfaces I'm going outside and look

"Yes, yes! But we've got to find my suit, too. I'm going with you." No doubt she would. Maybe I could persuade her to wait in the tunnel out of that bone-freezing wind. "Peewee, why did she have to send her message at night? To a ship in a rotation-period orbit?

Or is there-" My words were chopped off by a rumble. The floor shook in

that loose-hearing vihration that frightens people and animals alike. We stopped dead, "What was that?" Peewee whispered. I swallowed. "Unless it's part of

this rumpus the Mother Thing planned-

"It isn't, I think," "It's a quake." "An earthquake?"

"A Pluto quake, Pecwee, we've got to get out of here! I wasn't thinking about where-

you don't in a quake. Peewee gulped. "We can't bother with earthquakes; we haven't time. run and I followed, gritting my teeth. If Peewee could ignore a quake, so could I-though it's like ignoring a rattlesnake in bed. "Peewee . . . Mother Thing's

people . . , is their ship in orbit

"What? Oh, no, nol They're not

in a ship."
"Then why at night? Something about the Heaviside layers here? How far away is their

here? How far away is their base?" I was wondering how far a man could walk here. We had done almost 40 miles on the Moon. Could we do 40 blocks here? Or even 40 yards? You could insulate your feet, probably. But that wind—"Peewee, they don't like

"What? Don't be silly! They have a nice planet of their own. Kip, if you keep asking foolish questions, we'll be too late. Shut

here, do they?"

up and listen."

I shut up. What follows I got in snatches as we ran, and some of it later. When the Mother Thing had been captured, she had lots thip, space clothing, communicator, everything, Wormlace had destroyed it all. There had destroyed it all. There had been treachery, capture through violation of truce while paleying, "He grabbed her when they were supposed to be under a King's X," was Peewee's indignant description," and that's not fair! He strength on the strength of the streng

Treachery would be as natural in Wormface as venom in a Climonster; I was surprised that the Mother Thing had risked a palaver with him. It left her a prisoner of ruthless monaters equipped with ships that made ours look like horseless carriages, weapons which started with a

"death ray" and ended heaven knows where, plus bases, organi-

She had only her brain and her tiny soft hands.

Before she could use the rare combination of circumstances necessary to have any chance at all she had to replace her communicator (I think of it as her "radio" but it was more than that) and she had to have weapons. The only way she could get them was to build them.

She had nothing, not a bohhy pin-only that triangular ornament with spirals engraved on it. To build anything she had to gain access to a series of rooms which I would describe as electronics labs-not that they looked like the bench where I jiggered with electronics, but electron-pushing has its built-in logic. If electrons are to do what you want them to. components have to look pretty much a cerain way, whether built by humans, wormfaces, or the Mother Thing, A wave guide gets its shape from the laws of nature,

an inductance has its necessary geometry, no matter who the technician is.

So it looked like an electronics lab—a very good one. It had gears I did not recognize, but which I felt I could understand if I had time. I got only a glimpse.

The Mother Thing spent many, many hours there. She would not have been permitted there, even HAVE SPACE SUIT-WILL TRAV

though she was a prisoner-atlarge with freedom in most ways and anything she wanted, including private quarters with Poewee. I think that Wormface was afraid of her, even thought she was a prisoner-he did not want to

prisoner—he did not want to offend her unnecessarily. She got the run of their shops

She got the run of their shops by baiting their cupidity. Het people had many things that wormfaces had not-gadgets, inventions, conveniences. She began by inquiring why they did a thing this way rather than another way which was so much more efficient? A tradition? Or rollidous

reasons?

When asked what she meant
she looked helpless and protested
that she couldn't explain—which
was a shame because it was

simple and so easy to build, too.
Under close chaperonage she
built something. The gadget
worked. Then something elso.
Presently she was in the labs
daily, making things for her eaptors, things that delighted them.
She always delivered, tho privi-

lege depended on it.

But each gadget involved parts
she needed herself.

"She sneaked bits and pieces

into her pouch," Peewee told me.
"They never knew exactly what
she was doing. She would use five
of a thing and the sixth would go
into her pouch."

"Her pouch?"
"Of course, That's where she

rate hid the brain the time she and leaves swiped the ship. Didn't you lud-know?"

"I didn't know she had a nouch."

"Well, neither did they. They watched to see she didn't carry anything out of the shop—and she never did. Not where it showed." "Uh, Peewee, is the Mother

Thing a marsupial?"
"Huh? Like possums? You don't have to be a marsupial to have a pouch. Look at squirrels, they have rougher in their cheek?"

have pouches in their cheeks."
"Mmm, yes."
"She sneaked a bit now and a bit then, and I swiped things, too.

bit then, and I swiped things, too.
During rest time she worked on
them in our room.

The Mother Thing had not slept
all the time we had been in Pluto.
She worked long hours publicly.

She worked long hours publicly, making things for wormfaces—a stereotlephone no bigger than a stereotlephone no bigger than a peak of eigarcties, a tiny beetlelike arrangement that crawled all over anything it was placed on and integrated the volume, many other things. But during hour other things. But during house self, usually via darkness, beetly, usually via darkness, the best tiny fingers busy as a blind watch-maker's.

She made two bombs and a long-distance communicator-and-

beacon.

I didn't get all this tossed over
Peewee's shoulder while we raced

through the base; she simply told me that the Mother Thing had managed to build a radio-beacon and had been responsible for the explosion I had felt. And that we must hurry, hurry!

"Peewee," I said, panting.
"What's the rush? If the Mother
Thing is outside, I want to bring
ber in-her body, I mean. But you
act as if we had a deadline."

"We do!"

The communicator-beacon had to be placed outside at a particular local time (the Plutonian day is about a week-the astronomers were right again) so that the planet itself would not blanket the beam. But the Mother Thing had no space suit. They had discussed having Peewee suit up, go outside, and set the beacon - it had been so designed that Peewee need only trigger it. But that depended on locating Peewee's space suit, then breaking in and getting it after the wormfaces They had never located it. The

Mother Thing had said serenely, singing confident notes that I could almost hear ringing in my head: ["Never mind, dear, I can go out and set it myself,"]

"Mother Thing! You can't!" Pee-

wee had protested. "It's cold out

["I shan't be long."]
"You won't be able to breathe."
["It won't be necessary, for so

short a time."]

That settled it. In her own way,
the Mother Thing was as hard

to argue with as Wormface.

The bombs were built, the beacon was built, a time approach when all factors would match—no ship expected, few wormfaces, Pluto faced the right way, feeding time for the staff-and they still did not know where Peewee's suit was—fit it had not

"But she told me, just a few hours ago when she let me know that today was the day, that if she did not come back in ten minutes or so, she hoped I could find my suit and trigger the beacon—if she hadn't been able to." Peewee started to cry, "That was the f-f-first time she admitted that she wasn't sure she could do

been destroyed. The Mother

Thing resolved to go ahead.

was the 1-1-first time she admitted that she wasn't sure she could do it!"
"Peeweel Stop it! Then what?" "I waited for the explosions—

"I waited for the explosionsthey came, right together—and I started to search, places I hadribeen allowed to go. But I couldn't find my suit! Then I found you and—oh, Kip, she's been out there almost an hour!" She looked at her watch. "There's only about twenty minutes left. If the beacon isn't triggered by then, she's had all her trouble and died for n-nothing! She wouldn't like that."

ing! She wouldn't like that."
"Where's my suit!"

We found no more wormfaces -apparently there was only one on duty while the others fed. Peewee showed me a door, airlock type, behind which was the feeding chamber—the bomb may have cracked that section for gastight doors had closed themselves when the owners were blown to bits. We hurried past.

Logical as usual, Peewee ended our search at my space suit. It was one of more than a dozen human-type suits – I wondered how much soup those ghouls ate. Well, they wouldn't eat again! I wasted no time: I simply shouted.

"Hi, Oscar!" and started to suit up.

("Where you been, chum?")

Oscar seemed in perfect shape. Fats's suit was next to mine and Tim's next to it; I glaneed at them as I stretched Oscar out, wondering whether they had equipment I could use. Pecwee was looking at Tim's suit. "Maybe I can wear.

this."

It was much smaller than Oscar, which made it only nine sizes too big for Peewee. "Don't be silly! I'd fit you like socks on a rooster.

Help me. Take off that rope, coil it and clip it to my belt."
"You won't need it. The Mother Thing planned to take the beacon

yards and sit it down. If she didn't manage it, that's all you do. Then twist the stud on top."

"Don't argue! How much time?"

"Yes, Kip. Eighteen minutes."
"Those winds are strong," I

"Those winds are strong," I added, "I may need the line." The Mother Thing didn't weigh much If she had been swept off, I might need a rope to recover her body. "Hand me that hammer off Fats's suit."

art. "Right away!"

I stood up. It felt good to have Oscar around me. Then I remembered how cold my feet got, walking in from the ship. "I wish I had

shorte hoote"

assestors boots.

Peewee looked startled. "Wait right here!" She was gone before I could stop her. I went on sealing up while I worried—she hadn't even stopped to pick up the projector weapon. Shortly I said.

"Tight, Oscar?"
("Tight, boy!")
Chin valve OK, blood-color OK, radio—I wouldn't need it, water—The tank was dry. No matter, I wouldn't have time to grow thirsty. I worked the chin valve,

thirsty. I worked the chin valve, making the pressure low because I knew that pressure outdoors was quite low.

Peewee returned with what

I Peewee returned with what i, looked like ballet slippers for a l baby elephant. She leaned closs to my face plate and shouted, "They wear these. Can you get them on?" It seemed unlikely, but I forced them over my feet like badly fitting socks. I stood up and found that they improved trac-

tion; they were clumsy but not hard to walk in.

A minute later we were standing at the exit of the big room I

ing at the exit of the big room I had first seen. Its air-lock doors were closed now as a result of

back to their room. I don't know whether the Mother Thing timed the two bombs to go off together, or triggered them by remotecoutrol-nor did it matter: they had made a shambles of Worm-

face's fancy base. Peewee knew how to waste air through the air lock. When the

inner door opened I shouted,

"Fourteen minutes." She held "Remember what I said, just stay here. If anything moves,

blue-light it first and ask ques-"I remember."

I stepped in and closed the inner door, found the valve in the

outer door, waited for pressure to coualize. The two or three minutes it took that big lock to bleed off I spent in glum thoughts. I didn't like leaving Peewce alone. I

but I wasn't sure. We had scarched hastily; one could have zigged when we zagged-they

Besides that, Peewee had said, "I remember," when she should have said, "OK, Kip, I will." A slip of the tongue? That flea-hopping mind made "slips" only when difference between "Roger" and

Besides I was doing this for foolish motives. Mostly I was going out to recover the Mother Thing's body-folly, because after I brought her in, she would spoil, It would be kinder to leave her in

But I couldn't hear that_it was

cold out there and I couldn't leave her out in the cold. She had been so little and warm . . . so alive. I had to bring her in where she could get warm.

You're in bad shape when your emotions force you into acts which you know are foolish. Worse still, I was doing this

in a reckless rush because the Mother Thing had wanted that beacon set before a certain second, now only twelve minutes away, maybe ten. Well, I'd do it. but what sense was it? Say her home star is close by-oh, say it's Proxima Centauri and the wormther. Even if her beacon works -it still takes over four years for

This might have been OK for the Mother Thing. I had an impression that she lived a very long time: waiting a few years for rescue might not bother her. But Peewee and I were not creatures of her sort. We'd be dead be-

fore that speed-of-light message

crawled to Proxima Centauri. It was glad that I had seen Prewee again, but I knew what was in store for us. Death, in days, weeks, or months at most, from running out of air, or water, or for our death of the control of the control

would die quickly.

No matter how you figured, planting that beacon was merely "carrying out the deceased's last wishes"—words you hear at funerals. Sentimental folly.

The outer door started to open, Ave, Mother Thingl Nos morituri...

It was cold out there, bitting cold, even though I was not yet considered the cold of the

The first dozen panels were blown inwards. Had she set it off in the middle of the tunnel? A blast that big would fling her away like a feather! She must have planted it there, then come inside and triggered it—then gone back through the lock just as I bad. That was the only way I could see it.

bad. That was the only way I could see it.

It got colder every step. My feet weren't too cold yet, those

clumsy mukluks were OK; the wormfaces understood insulation. "Oscar, you got the fires burning?" ("Roaring, thum. It's a cold

night.")
"You're telling mel"

Just beyond the outermost bur panel, I found her.

She had sunk forward, as if too tired to go on. Her arms stretched in front of her and on the floor of the tunnel, not quite touched by her tiny fingers, was a small round box about the size ladies keep powder in on dressing tables. Her face was composed and

her eyes were open except that the nictitating membranes were drawn across as they had been when I had first seen her in the pasture back of our house, a few days or weeks or a thousand years ago. But she had been hurt then and looked it; now I half expected her to draw back those inner lids and sing a welcome.

She was hard as ice and much

colder.

I blinked back tears and wasted not a moment. She wanted that little box placed a hundred yards out of the causeway and the bump on ton twisted—and she wanted

it done in the next six or seven minutes. I scooped it up. "Righto,

minutes. I scooped it up. "Rig Mother Thing! On my way!" ("Get cracking, chum!")

["Thank you, dear Kip . . ."]
I don't helieve in ghosts. I had
heard her sing thank-you so many
times that the notes echoed in my

A few feet away at the mouth of the tunnel, I stopped. The wind hit me and was so cold that the deathly chill in the tunnel seemed summery. I closed my eyes and counted 30 seconds to give time to adjust to starlight while I fumbled on the windward side of the tunnel at a slanting strut that anchored the causeway to the mountain, tied my safety line hy passing it around the strut and snapping it hack on itself. I had and I expected the causeway to stand out as a black ribbon against the white "snow" glittering under a skyful of stars, l thought I would be safer on that windswept way if I could see its edges-which I couldn't by headlamp unless I kept swinging my shoulders back and forth-clumsy and likely to throw me off balance or slow me down

or slow me down.

I had figured this carefully; I didn't regard this as a stroll in the garden—not at night, not on Flutol So I counted 30 seconds and tied my line while waiting for eyes to adjust to starlight. I opened

And I couldn't see a darned

thing!

Not a star. Not even the difference between sky and ground.

My back was to the tunnel and

My back was to the tunnel and the helmet shaded my face like a sunbonnet; I should have been able to see the walkway. Nothing,

I turned the helmet and saw something that accounted both for black sky and for the quale we had felt—an active volcano. It may have heen five miles away or fifty, but I could not doubt what it was—a jagged, angry red scar low in the sky.

But I didn't stop to stare. I switched on the headlamp, splashed it on the righthand wind-ward edge, and started a clumsy trot, keeping close to that side, so that if I stumhled I would have the entire road to recover in before the wind could sweep me off, or the wind could sweep me off, and the start of the start of the start of the wind start of the st

The wind not only frightened me, it hurt. It was a cold so intense that it felt like flame. It burned and blasted, then numbed. My right side, getting the hrunt of it, hegan to go and then my

I could no longer feel the line.

I could no longer feel the line.

I stopped, leaned forward and got the coil in the light from the headlamp—that thins needs fixing!

the headlamp should swive

The coil was half gone, I had come a good 50 yards. I was depending on the rope to tell me; it was a 100-meter climbing line, so when I neared its end I would be as far out as the Mother Thing

had wanted, Hurry, Kip. out here."

I stopped again, Did I have the

I couldn't feel it. But the headlamp showed my right hand clutched around it. Stay there, fingers! I hurried on, counting

When I reached forty I stopped and glanced over the edge, saw that I was at the highest part where the road crossed the brook midway. That brook-methano,

There were a few loops of line on my left arm-close enough. I dropped the line, moved cautiously to the middle of the way. eased to my knees and left hand.

My fingers wouldn't unbend, I forced them with my left hand, got the box out of my fist, That diabolical wind caught it and I barely saved it from roll-

("Work your fingers, bud. I did so, I could tighten the muscles of my forearms, though it was tearing agony to flex fingers. Clumsily steadying the box with

my left hand, I groped for the

fingers on it: I could see it turn. It seemed to come to life, to purr. Perhaps I heard vibration. through gloves and up my suit. I

certainly couldn't have felt it, not the shape my fingers were in. I hastily let go, got awkwardly to my feet and backed up, so that I could splash the headlamp on it

I was through, the Mother Thing's job was done, and () honed) before deadline. If I had had as much sense as the ordinary doorknob, I would have faster than I had come out.

But I was fascinated by what It seemed to shake itself and

was standing on its own little and started to put the box down. itself again and I thought the wind would blow it over. But the spidery legs splayed out, seemed to bite into the road surface, and

> Something lifted and unfolded out the top.

It opened like a flower, until it

A finger lifted (an antenna?). swung as if hunting, steaded and

pointed at the sky. Then the beacon switched on, I'm sure that is what happened although all I saw was a flash of light-parasitic it must bave been, for light alone would not bave served even without that volcanic overcast. It was probably some harmless side effect of switching on an enormous pulse of power, something the Mother Thing hadn't had time, or perhaps equipment or materials, to elimi-

nate or shield. It was about as bright as a peanut photoflash. But I was looking at it. Polarizers can't work that fast. It

blinded me. I thought my headlamp had gone out, then I realized that I simply couldn't see through a big greenish-purple disc of dazzle ("Take it easy, boy. It's just an

after-image, Wait and it'll go "I can't wait! I'm freezing to

("Hook the line with your forearm, where it's clinned to your belt. Pull on it.")

I did as Oscar told me, found the line, turned around, started to wind it on both forearms. It shattered.

It did not break as you expect rope to break; it shattered like glass. I suppose that is what it was by then-glass, I mean. Nylon and glass are super-cooled

Now I know what that means,

But all I knew then was that my last link with life had cone. I couldn't see, I couldn't hear, I was all alone on a bare platform. billions of miles from bome, and a wind out of the depths of a frozen hell was bleeding the last life out of a body I could barely feel-and where I could feel, it

burt like fire. ("I'm here, bud, You can make

it. Now-can you see anything?") ("Look for the mouth of the tunnel. It's got light in it. Switch

off your headlamp. Sure, you can -it's just a toggle switch. Drag your hand back across the right side of our helmet.")

("See anything?") "Not yet."

("Move your head. Try to catch it in the corner of your eve-the dazzle stays in front, you know, "I caught something that time!"

("Reddish, wasn't it? Jagged, too, The volcano, Now we know which way we're facing. Turn slowly and catch the mouth of the tunnel as it goes by.")

turn, "There it is!" ("OK, you're headed bome. Get down on your bands and knees and crab slowly to your left. Don't

turn-because you want to hang onto that edge and crawl. Crawl toward the tunnel.")

I got down. I couldn't feel the surface with my hands but I felt pressure up my limbs, as if all four were artificial. I found the edge when my left hand slipped over it and I almost fell off. But

over it and I almost fell off. But I recovered. "Am I headed right?" ("Sure you are. You haven't turned. You've just moved sideways. Can you lift your head to

ways. Can you is see the tunnel?")

"Uh, not without standing up,"
("Don't do that! Try the headlamp again. Maybe your eyes are

OK now.")

I dragged my hand forward against the right side of the helmet. I must have hit the switch, for suddenly I saw a circle of light, blurred and cloudy in the middle The edge of the walkway sliced it on the left.

("Good boy! No, don't get up; you're weak and dizzy and likely to fall. Start crawling. Count 'em. Three bundred ought to to do it.")

I started crawling, counting.
"It's a long way, Oscar. You think we can make it?"

("Of course we can! You think

("Of course we can! You think I want to be left out here?")
"I'd he with you."

("Knock off the chatter. You'll make me lose count. Thirty-six ...thirty-seven...thirty-eight-") We crawled.

("That's a hundred. Now we double it. Hundred one . . . hundred two . . . hundred three—") "I'm feeling better, Oscar. I

ne think it's getting warmer."

elt ("WHAT!")

ull "I said I'm feeling a little

warmer."

("You're not warmer, you blis-

tering idiot! That's freeze-to-death you're feeling! Crawl faster! Work your chin valve. Get more air. Lemme hear that chin valve click!")

I was too tired to argue; I chinned the valve three or four times, felt a blast blistering my

re face.

("I'm stepping up the stroke.

d Warmer indeed! Hund'd nine...
hund'd ten . . . hun'leven . . .
hun'twelve—pick it up!")

At two hundred I said I would just have to rest. ("No, you don't!")

("No, you don't!")

"But I've got to. Just a little
while."

("Like that, uh? You know what happens. What's Peewee goin' to do? She's in there, waiting. She's already scared because you're late. What's she goin' to do? Answer me!")

"Uh . . . she's going to try to wear Tim's suit." ("Right! In case of duplicate answers the prize goes to the one

postmarked first. How far will she get? You tell me.")
"Uh . . . to the mouth of the

tunnel, I guess. Then the wind will get her."

("My opinion exactly. Then

we'll have the whole family together. You, me, the Mother Thing, Peervee, Cozy. A family of stiffs.")

"But—"
("So start slugging, brother.
Slug...slug...slug...slug...

Slug . . . slug . . . slug . . . slug . . . tw'und'd five . . . tw'und'd six . . . tw'und'd sev'n-"

I don't remember falling off. I don't even know what that "snow" felt like. I just remember being glad that the dreadful counting

was over and I could rest.

But Oscar wouldn't let me.
("Kip! Kip! Get up! Climb back
on the straight and narrow.")

"Go 'way."

("I can't go away. I wish I could. Right in front of you. Grab the edge and scramble up. It's only a little farther now.")

I managed to raise my head, saw the edge of the walkway in the light of my headlamp about two feet above my head. I sank back. "It's too high," I said listlessly. "Oscar, I think we've had it."

it."

He snorted. ("So? Who was it, put the other day, cussed out a little bitty gain two was too tired to get up? Commander Comet," right? The Some of the state of the state

and kidnaping little girls.")
"That's not fair!"

"OK, OK, I know when I'm not wanted. But just one thing before I leave: she's got more guts in her little finger than you have in your whole body—you lying, fat, lazy swine! Goodby. Don't wait up."

"Oscar! Don't leave mel"

"Yes!"

("Well, if it's too high to reach

("Well, if it's too high to reach, grab your hammer and hook it over the edge. Pull yourself up.") I blinked. Maybe it would work. I reached down, decided I had the hammer even though I

couldn't feel it, got it loose. Using both hands I hooked it over the edge above me. I pulled. That silly hammer broke just like the line. Tool steel—and it

like the line. Tool steel—and it went to pieces as if it had been cast out of type slugs. That made me mad, I heaved

That made me mad. I heaved myself to a sitting position, got both elbows on the edge, and struggled and groaned and burst into fiery sweat-and rolled over

onto the road surface.

("That's my boy! Never mind counting, just crawl toward the light")

The tunnel wavered in front of me. I couldn't get my breath, so I kicked the chin valve.

I kicked the chin valve.

Nothing happened.

"Oscarl The chin valve is

stuck!" I tried again.

Oscar was very slow in answering. ("No. pal. the valve isn't

up. I guess that last batch wasn't as dry as it could have been.")

as dry as it could have been.")
"I haven't any oir!"
Again he was slow. But he answered firmly. ("Yes, you have.

You've got a whole suit full. Plenty for the few feet left.") "I'll never make it."

("A few feet, only. There's the Mother Thing, right shead of you. Keep moving.")

I raised my head and, sure enough, there she was. I kept crawling, while she got bigger and higger. Finally I said, "Oscar this is as far as I go."

("I'm afraid it is. I've let you down . . . hut thanks for not leaving me outside there.")

ing me outside there.")
"You didn't let me down
you were swell. I just didn't quite

("I guess we both didn't quite make it . . . but we sure let 'em know that we tried! So long, partner.")

"So long. Husta la vista, amigol" I managed to crawl two short steps and collupsed with my head near the Mother Thing's head.

She was smiling. ["Hello, Kip my son."] "I didn't . . . quite make it,

Mother Thing. I'm sorry."

["Oh, but you did make it!"]

["Between us, we've both made
."]
I thought about that for a

zen long time. "And Oscar."

["And Oscar, of course."]

"And Peewee."

"And Peewee."

["And always Peewee, We've all
made it. Now we can rest, dear."]

made it. Now we can rest, dear."]
"G'night . . . Mother Thing."

It was a darn short rest. I was just closing my eyes, feeling warm and happy that the Mother Thing thought that I had done all right when Peewee started shaking my shoulder. She touched helmets.

t "Kip! Kip! Get up. Please get up."
"Huh? Why?"
"Because I can't carry you! I

"Because I can't carry youl I tried, but I can't do it. You're just too big!"

I considered it. Of course she couldn't carry me—where did she get the silly notion that she could? I was twice her size. I'd carry her just as soon as I caught my

"Kip! Please get up." She was crying now, hlubbering.

"Why, sure, honey," I said gently, "if that's what you want." I tried and had a clumsy bad time

of it. She almost picked me up, she helped a lot. Once up, she steaded me.

Turn around. Walk."
She almost did carry me. She

got her shoulders under my right arm and kept pushing. Every time we came to one of those blownout panels she either helped me step over, or simply pushed me

through and helped me up again.

she was bleeding air from inside to fill it. She had to let go of me and I sank down. She turned when the immer door opened, started to say something—then got my helmet off in a burry.

I took a deep breath and got very dizzy and the lights dimmed. She was looking at me. "You all right now?"

all right now?"
"Me? Sure! Why shouldn't I

"Me? Sure! Why sb

"Let me help you inside."

I couldn't see why, but she did
help and I needed it. She sat me
on the floor near the door with
my back to the wall—I didn't want

to lie down. "Kip, I was so scared!"
"Why?" I couldn't see what she was worried about. Hadn't the

done all right?
"Well, I was. I shouldn't have

let you go out."
"But the beacon had to be set."
"Oh, but— You set it?"

"Of course. The Mother Thing was pleased."

"I'm sure she would have been," she said gravely.
"She was."

"Can I do anything? Can I help you out of your suit?"
"Uh . . . no, not yet. Could you

find me a drink of water?"
"Right away!"
She came back and held it for me—I wasn't as thirsty as I had thought; it made me a hit ill. She watched me for some time, then a little while? Will you be all right?"
"Mc? Certainly." I didn't feel

"Mc? Certainly." I didn't feel well, I was beginning to hurt, but there wasn't anything she could

"I won't be long." Sho began clamping her helmet and I noticed with detached interest that she was wearing her own suit somehow I had had the impres-

somehow I had had the impression that she bad been wearing Tim's.

I saw her head for the lock and

realized where she was going and why. I wanted to tell her that the Mother Thing would rather not be inside bere, where she might where she might— I didn't

want to say "spoil" even to myself.

But Peewee was gone.

I don't think she was away

more than five minutes. I had closed my eyes and I am not sure. I noticed the inner door open. Through it stepped Peewee, carrying the Mother Thing in her arms like a long piece of firewood.

She didn't bend at all.

Peewee put the Mother Thing
on the floor in the same position
I had last seen her, then un-

clamped her helmet and bawled.

I couldn't get up. My legs hurt
too much. And my arms. "Peewee . . . please, boney. It doesn't

wee . . . please, boncy. It doesn't do any good."

She raised her head. "I'm all through. I won't cry any more."

through. I won't cry And she didn't.

We sat there a long time. Peeof my suit, but when we tried my bands and my feet, that I had to ask her to stop. She looked worried, "Kip . . . I'm afraid you froze them."

"Maybe, But there's nothing to do about it now." I winced and

changed the subject. "Where did you find your suit?"

"Oh!" She looked indignant, then almost gay. "You'd never guess. Inside Jock's suit."

"No, I guess I wouldn't. The Purloined Letter."

old Wormface had a sense of

humor." Shortly after that we had another quake, a bad one. Chandeliers would have jounced if the place had had any and the floor heaved. Peewee squealed, 'Oh! That was almost as bad as the

"A lot worse, I'd say, The first little one wasn't anything." "No. I mean the one while you

were outside." "Was there one then?"

"Didn't you feel it?" "No." I tried to remember. "Maybe that was when I fell off

"It was all right. Oscar helped There was another ground only it shook me up and made Let's see, medicine pills were

on the right and the codeine dispenser was farthest back- "Pecwee? Could I trouble you for

"I'm going to take codeine. It

may make me sleepy. Do you "You ought to sleep if you can. You need it."

"I suppose so. What time is it?" She told me and I couldn't be-

lieve it. "You mean it's been more "Huh? Since what?" "Since this started."

"I don't understand, Kip." She

stared at her watch. "It has been exactly an hour and a half since I found you-not quite two hours since the Mother Thing set off the I couldn't believe that, either,

right. The codeine made me feel much better and I was beginning

to be drowsy, when Peewee said. "Kip, do you smell anything?" I sniffed. "Something like

"That's what I mean. I think the pressure is dropping, too. Kip ... I think I had better close your helmet-if you're going to sleen." "All right. You close yours, too?"

"Yes. Uh, I don't think this place is tight any longer." "You may be right." Between

Tou may be right. Between explosions and quakes, I didn's see how it could be. But, while I knew what that meant, I was too weary and sick—and getting too dreamy from the drug—to worry. Now, or a menth from now—what did it matter? The Mother Thing had said everything was OK.

Peewco clamped us in, we checked radios, and she sat down facing me and the Mother Thing. She didn't say anything for a long time. Then I heard: "Peeweo

long time. Then to Junebug-"

"I read you, Peewce."

"Kip? It's been fun, mostly.

"Huh?" I glanced up, saw that the dial said I had about four lieurs of air left. I had had to reduce pressure twice since we closed up, to match falling pressure in the room. "Yes, Peewee, it's been swell. I wouldn't have

missed it for the world."

She sighed. "I just wanted to be sure you weren't blaming me. Now go to sleep."

I did almost go to sleep, when I saw Peewee jump up and my phones came to life. "Kip! Something's coming in the door!"

I came wide awake, realized what it meant. Why couldn't they have let us be? A few hours, anyhow? "Peewee. Don't panie. Move to the far side of the door. You you your blue-light gadget?"

"Yes."

"Pick them off as they come in."
"You've got to move, Kipl
You're right where they will

"I can't get up." I hadn't been able to move, not even my arms, for quite a while. "Use low power, then if you brush me, it won't worker. Do what I can Escale."

matter. Do what I say! Fast!"

"Yes, Kip." She got where she could snipe at them sideways.

could snipe at them sideways, raised her projector and waited. The inner door opened, a figure came in, I saw Peewee start to

nail it—and I called into my radio: "Don't shoot!"

But she was dropping the projector and running forward even as I shouted.

They were "mother thing"

people.

It took six of them to carry

me, only two to carry the Mother Thing. They sam to me soluingly all the time they were rigring a litter. I awallowed note that ring a litter. I awallowed notes any movement hurt. It didn't take long to get me into their slip, for they had landed almost at the tunnel mouth, no doubt cruiting the wallway—I hoped so. Once I was safely inside Pec-

y Once I was sately inside Peewee opened my helmet and unAren't they wonderful?"

"Yes." I was getting dizzier from the drug but was feeling better. "When do we raise ship?"

"When do we raise ship?"
"We've already started."
"They're taking us home?" I'd

have to tell Mr. Charton what a big belp the codeine was. "Hub? No, my no! We're headed for Vega."

.

Activities:

I had been dreaming that I was home; this awoke me with a jerk. "Mother Thing!"

["Good morning, my son. I am happy to see that you are feeling better."]

"Oh, I feel fine. I've had a good night's rest . . ." I stared, then blurted: "—you're dead!" I couldn't

Her answer sounded warmly, gently humorous, the way you correct a child who has made a natural mistake. ("No, deer, I was merely frozen. I am not as frail as you seem to think me."]

I blinked and looked again.

"Then it wasn't a dream?"

["No, it was not a dream."]

"I thought I was home and..."
I tried to sit up, managed only to raise my head. "I om home!"
My room! Clothes closet on the left...hall door behind the Mother.

Thing—my desk on the right, piled with books and with a Centerville High pennant over it—window beyond it, with the old elm almost filling it—sun-speckled leaves stir-

ring in a breeze.

My slipstick was where I had

left it.

Things started to wobble, then
I figured it out. I had dreamed
only the silly part at the end.
Vera. . . I had been groups with

Vega . . . I had been groggy with codeine. "You brought me home." ["We brought you home . . . to your other home. My home."]

The bed started to sway. I clutched at fi but my arms didn't move. The Mother Thing was still singing. ["You needed your own

nest. So we prepared it."]

"Mother Thing, I'm confused."

["We know that a bird grows

well faster in its own nest. So we built yours,"] "Bird" and "nest" weren't what she sang, but an Unabridged won't give anything closer.

I took a deep breath to steady down. I understood her—that's what she was best at, making you understand. This wasn't my roem and I wasn't bome; it simply looked like it. But I was still terribly confused. I looked around and wondered

I looked around and wondered how I could have been mistaken. The light slanted in the win-

The light slanted in the window from a wrong direction. The ceiling didn't have the patch in it from the time I built a hide-out in the attic and knocked plaster down by hammering. It wasn't the right shade, either.

The books were too neat and clean; they had that candy-box look. I couldn't recognize the

look. I couldn't recognize the bindings. The over-all effect was mighty close, but details were not right.

right.
["I like this room,"] the Mother

Thing was singing. ["It looks like

"Mother Thing," I said weakly, "how did you do it?"

["We asked you. And Peewee helped."] I thought, "But Peewee has

never seen my room either," then decided that Pecwee had seen chough American homes to be a consulting expert. "Peewee is

["She'll be in shortly."]

With Peewee and the Mother Thing around things couldn't be too had. Except—"Mother Thing, I can't move my arms and legs."

She put a tiny, warm hand on my forehead and leaned over me until her enormous, lemur-like eyes blanked out everything else. ["You have been damaged. Now you are growing well. Do not

wors;"]
When the Mother Thing tells you not to worry, you don't. I didn't want to do handstands any-how; I was satisfied to look into her eyes. You could sink into them, you could have dived in and swum around, "All right, Mother Thing." I remembered something ownerships.

elsc. "Say . . . you were frozen? Weren't you?"

["Yes."]
"But—Look, when water freezes

it ruptures living cells. Or so they say."

She answered primly, ["My body would never permit that!"] "Well-" I thought about it.

"Well-" I thought about it.
"Just don't dunk me in liquid air!
I'm not built for it."

Again her song held roguish.

Again her song heid roguism, indulgent humor. ["We shall endeavor not to hurt you."] She straightened up and grew a little, swaying like a willow. ["I sense

There was a knock—another discrepancy; it didn't sound like a knock on a light-weight interior door—and Peewee called out, "May I come in?" She dkin't wait (I wondered if she ever did.) but came on in. The bit I could see

past her looked like our upper hall; they'd done a thorough job. ["Come in, dear."] "Sure, Peewee. You are in."

"Don't be captious."
"Look who's talking. Ili, kidf"

"Hi yourself."
The Mother Thing glided away.
["Don't stay long, Preuses, You

are not to tire him."]
"I won't, Mother Thing."
["'Bu, dears."]

["By, dears."]
I said, "What are the visiting hours in this ward?"

hours in this ward?"
"When she says, of course."
Peewee stood facing mc, fists on
hips. She was really clean for the

first time in our acquaintance cheeks pink with scrubbing, hair fluffy, Maybe she would be pretty, in about ten years. She was dressed as always but her clothes were fresh, all buttons present,

and tears invisibly mended.
"Well," she said, letting out her
breath, "I guess you're going to

be worth keeping, after all."

"Me? I'm in the pink. How

about yourself?"
She wrinkled her nose. "A little frost nip. Nothing, But you were

"I was?"

"I can't use adequate language without being what Mama calls 'unladylike.'"

"Oh, we wouldn't want you to be that."

"Don't be sarcastic. You don't do it well."
"You won't let me practice on

She started to make a Pcewee retort, stopped suddenly, smiled and came close. For a nervous second I thought she was going to kiss me. But she just patted the bed clothes and said solemnly, "You bet you can, Kip. You can be sarcastic, or nasty, or mean, or scold me, or anything, and I won't let out a peepe. Why, I'll bet you

could even talk back to the Mother Thing." I couldn't imagine wanting to

I said, "Take it easy, Peewee. Your halo is showing."
"I'd have one if it weren't for

ee— you. Or flunked my test for it, air more likely."

"So? I seem to remember some-

"So? I seem to remember somebody about your size lugging me indoors almost piggy-back. How about that?"

She wriggled. "That wasn't anything. You set the beacon. That

thing. You set the beacon. That was everything."
"Uh, each to his own opinion. It was cold out there." I changed the

subject; it was embarrassing us. Mention of the beacon reminded me of something else. "Peewee? Where are we?"

Where are we?"

"Huh? In the Mother Thing's
bome, of course." She looked
around and said, "Oh, I forgot,

Kip, this isn't really your—"
"I know," I said impatiently.

"It's a fake. Anybody can see 't that."

"They can?" She looked crest-

fallen. "I thought we had done a perfect job."

"It's an incredibly good job. I

d don't see how you did it."

"Oh, your memory is most de-

g tailed. You must have a camera e eye.", , —and I must have spilled my n guts, too! I added to myself. 1 or wondered what else I had said—

t with Peewee listening. I was a afraid to ask; a fellow ought to have privacy. "But it's still a fake," I went on.

"But it's still a fake," I went on.
"I know we're in the Mother
Thing's home. But ushere's that?"

"Oh." She looked round-eyed. "I r told you. Maybe you don't "I remember," I said slowly, "something. But it didn't make

sense. I thought you said we were

going to Vega."
"Well, I suppose the catalogs
will list it as Vega Four. But they
call it.—"She threw back her head
and vocalized; it recalled to me
the cockcrow theme in Le Coq
d'Or."—but I couldn't say they
So I told you Vega, which is close

enough."

I tried again to sit up, failed.
"You mean to stand there and

tell me we're on Vega? I mean, 'a Vegan planet'?"

"Well, you haven't asked me to sit down."

I ignored the Peeweeism. I looked at "sunlight" pouring

through the window. That light is from Vega?"
That stuff? That's artificial sunlight. If they had used real, bright, Vega light, it would look chastly. Like a bare are light.

Vega is 'way up the Russell diagram, you know."

"It is?" I didn't know the spectrum of Vega: I had never ex-

pected to need to know it.

"Oh, yes! You be careful, Kipwhen you're up, I mean. In ten
seconds you can get more burn
than all winter in Key West-and

I seemed to have a gift for winding up in difficult climates. What star class was Vega? "A," maybe? Probably "B." All I know was that it was big and bright, bigger than the Sun, and looked pretty set in Lyra.

pretty set in Lyra.

But where was it? How in the
name of Einstein did we get here?

"Peewee? How far is Vega? No.

I mean, 'How far is the Sun?'
You would happen to know?"

"Of course," she said scornfully.

"Twenty-seven light-years."

Great Galloping Gorillas! "Pee-

wee-get that slide rule. You know how to push one? I don't seem to have the use of my hands."

She looked uneasy. "Uh, what do you want it for?" "I want to see what that comes

to in miles."

"Oh. I'll figure it. No need for a slide rule."

"A slipstick is faster and more accurate. Look, if you don't know how to use one, don't be ashamed —I didn't, at your age. I'll show you."

"Of course I can use one!" she said indignantly. "You think I'm a stupe? But I'll work it out." Her lips moved silently. "One point five nine times ten to the fourteenth miles."

I had done that Proxima Centauri problem recently; I remembered the miles in a light-year and did a rough check in my head —uh, call it six times twenty-five make a hundred and fifty — and where was the decimal point?

"Your answer sounds about right."

159,000,000,000,000 weary miles!

Too many zeroes for comfort. "Of course I'm right!" she retorted. "I'm always right." "Goodness me! The handy-

dandy pocket enevelopedia." She blushed, "I can't help be-

ing a genius." Which left her wide open and I was about to rub her nose in itwhen I saw how unhappy she

looked.

I remembered hearing Dad say: "Some people insist that 'medioere' is better than 'best." They delight in elipping wings because they themselves can't fly. They despise brains because they have none. Pfahl"

"I'm sorry, Peewee," I said humbly. "I know you ean't. And I can't help not being one . . . any more than you can belp being little, or I can help being big."

She relaxed and looked solemn, "I guess I was being a show-off again," She twisted a button, "Or maybe I assumed that you understand me-like Daddy."

"I feel complimented, I doubt if I do-but from now on I'll try." She went on worrying the button, "You're pretty smart yourself,

Kip. You know that, don't you?" I grinned. "If I were smart, my cars rub together. Look. honey, would you mind if we checked you on the slide rule? I'm really interested," Twentyseven light-years-why, you wouldn't be able to see the Sun.

It isn't any great shakes as a star. But I had made her uneasy again, "Uh. Kin, that isn't much of a slide rule.

"What? Why, that's the best

that money can-" "Kip, please! It's part of the

desk. It's not a slide rule." "Huh?" I looked sheepish, "I forgot. Uh. I suppose that hall

out there doesn't go very far?" "Just what you can see, Kip, the slide rule would bave been real-

if we had had time enough. They understand logarithms, Oh, in-

deed they do!"

That was bothering me-"time enough" I mean. "Peewee, how long did it take us to get here?" speed-of-light . . . well, maybe the Einstein business would make it seem like a duick trip to me-but not to Centerville. Dad could be dead! Dad was older than Mother. old enough to be my grandfather. really. Another twenty-seven years back- Why, that would make him might be dead.

"Time to get here? Why, it

didn't take any." "No, no. I know it feels that

way. You're not any older, I'm still laid up by frostbite. But it took at least twenty-seven years.

"What are you talking about,

"The relativity equations, of

"Oh, those! Certainly. But they don't apply. It didn't take time. Oh, fifteen minutes to get out of Pluto's atmosphere, about the same to cope with the atmosphere here. But otherwise, pht! Zero."

"At the speed of light you would think so."
"No, Kip." She frowned, then her face lighted up. "How long was it from the time you set the

beacon till they rescued us?"
"Huh?" It hit me. Dad wasn
dead! Mother wouldn't even bay
gray bair, "Maybe an bour."

"A little over. It would have been less if they had bad a slip ready . . . then they might bave found you in the tunnel instead of me. No time for the message to reach here. Half an hour frittered away getting a slip readythe Mother Thing was orend. I hadn't known she could be. You see, a. ship is supposed to be

"Any time she wants one?"
"Any and all the time—the Mother Thing is important. Another half hour in atmosphere maneuvering—and that's all. Real time. None of those funny contractions."

I tried to soak it up. They take an hour to go twenty-seven light-years—and get bawled out for dailying. Dr. Einstein must be known as "Whirligig Albert" among his cemetery neighbors. "But hou?"

"Kip, do you know any geom-

etry? I don't mean Euclid—I mean

"Mmm . . . I've fiddled with open and closed curved spacesand I've read Dr. Bell's popular books. But you couldn't say I know any geometry."

"At least you won't boggle at the idea that a short line is not necessarily the straightest distance between two points." She made motions as if squeezing a grapefruit in both hands, "Because it's

fruit in both hands. "Because it's not. Kip—it all touches. You could put it in a bucket. In a thimble if you folded it so that spins matched."

I had a dizzying picture of

a universe compressed into a tea cup, nucleon and electron packed solidly-erally solid and solidly-erally solid and solidly-erally solid and solidly-erally solid and solid so

"How many would you like?"
"Me? Uh, twenty, maybe. Four
more for each of the first four, to

givo some looseness on the corners.
"Twenty isn't a starter. I don't

"Twenty isn't a starter. I don't know, Kip; I don't know geometry, either—I just thought I did.

So I've pestered them."
"The Mother Thing?"
"Her? Oh, heavens, no! She

doesn't know geometry. Just enough to pilot a ship in and out

or the roas.

"Only that much?" I should have stuck to advanced finger-painting and never let Dad lure me into trying for an education. There isn't any end-the more you learn, the more you need to learn. Teewee, you knew what that beacon was for didn't you?"

"Me?" She looked innocent,
"Well . . . yes."
"You knew we were going to

Vega."
"Well . . . if the beacon worked.

If it was set in time."

"Now the prize question. Whe didn't you tell me?"

"Well..." Peewee was going to twist that button off. "I wasn't sure how much math you knew and—you might have gone all masculine and common-sensical and father-knows-best. Would you have believed me?"

("I told Orville and I told Wilbur and now I'm telling you that contraption will never work!") "Maybe not, Peewee. But next time you're tempted not to tell me something for my own good," will you take a chance that I'm not wedded to my own ignorance? I know I'm not a genius but I'll try to keep my mind open --and I might be able to help, if I knew what you were up to.

I knew what you were up to.

Quit twisting that button."

She let go hastily. "Yes, Kip.

I'll remember."
"Thanks, Another thing is free

"Thanks, Another thing is fretting me. I was pretty sick?"

"Huh? You certainly were!"

"All right. They've got these, uh, 'fold ships' that go anywhere in no time. Why didn't you ask them to bounce me home and pop

me into a hospital?"

She hesitated. "How do you feel?"

"Huh? I feel fine. Except that I seem to be under spinal anesthesia, or something."

"Or something," she agreed.
"But you feel as if you are getting

"Shucks, I feel well."
"You aren't. But you're going

to be." She looked at me closely.
"Shall I put it bluntly, Kip?"

"If they had taken you to Earth to the best hospital we have, you'd be a basket case." Understand me? No arms, no legs. As it is, you are getting completely well. No

amputations, not even a toc."

I think the Mother Thing had prepared me. I simply said,

prepared me. I simply said,
"You're sure?"

"Sure both. You're going to be
all right." Her face screwed up.
"Oh, you were a moss! Long."

"Awful. I have nightmares,"

"They shouldn't have let you look."

"They couldn't stop me. I was

"Huh? You tok! them you were "What? I am your next of kin."

I was about to say she was cockeved when I tripped over my for a hundred and sixty trillion

miles. As usual, Peewee was

"So I had to grant permission," she went on.

"For what? What did they do to mo?" "Uh, first they popped you into and the past month they have

been using me as a guinca pig Then, three days ago-three of ours-they thawed you out and got to work. You've been getting well ever since."

"What shape am I in now?" "Uh . . . well, you're growing back. Kip, this isn't a bed. It just

looks like it." "What is it, then?"

"We don't have a name for it and the tune is pitched too high for me, But everything from here on down"-she patted the spread -"on toto the room below does things for you. You're wired like a hi-fi nut's basement."

"I'd like to see it." "I'm afraid you can't. You don't

space suit off."

I felt more emotion at that than I had at hearing what a mess I had been. "Huh? Where is Oscar? Did they ruin him? My space suit, I mean.'

'I know what you mean. Every time you're delirious you talk to 'Oscar'-and you answer back, too. Sometimes I think you're schizold.

"You've mixed your terms, runt -that'd make me a split personality. All right, but you're a paranoid yourself."

"Oh, I've known that for a long time. But I'm a very well adjusted one. You want to see Oscar? The Mother Thing said that you would want him near when you woke up," She opened the closet

"Hoy! You said he was all "Oh, they repaired him, Good

as new. A little better than new." ["Time, dear! Remember what I said."

"Coming, Mother Thing! 'By, Kip, I'll be back soon, and real

"OK. Leave the closet open so I can see Oscar."

"real often." I wasn't offended,

not much. She had a thousand interesting and "educational" things as busy as a pup chewing slippers. She ran our hosts ragged. But I wasn't bored. I was getting well, a full-time job and not boring if you are happy—which I was. I didn't see the Mother Thing

ing if you are happy—which I was.

I didn't see the Mother Thing
often. I began to realize that she
had work of her own to do—even
though she came to see me if I
asked her, with never more than
an hour's delay, and never seemed

She want't my doctor, nor my unure. Instead I had a staff of veterinarians who were alert to supervise every heart beat. They didn't come in unless I saled them to (a whisper was a good that "my" room was bugged and elementered like a ship in flight test—and my "bed" was a mass of machinery, gent atth bore the relation to our own "mechanical lungs" and "inechanical lungs" and "inechanical kings" that a contract of the sale of the sale who was a sale of the sale

to a baby buggy,

I never saw that gear (they never lifted the spread, unless it was while I slept), but I know what they were doing. They were encouraging my body to repair itself—not sear tissue but the way it had been. Any lobster can do this and starfish do it so well that you can chop them to bits and wind up with a thousand brand-new starfish.

This is a trick any animal should do, since its gene pattem is in every cell. But a few million years ago we lost it. Everybody knows that science is trying to recapture it; you use articles—gibby optimistic ones in nazansi sonar, discouraged ones in nazansi sonar, discouraged ones in The Scientific Monthly, wildly wrong ones in magazines whose "Science cultura" seem to have Technic cultura" seem to have borree movies. But we're working on it. Some day, if anybody dies an accidental death, it will be because he beld to death on

the way to the hospital.

Here I was with a perfect chance to find out about it—and

I tried. Although I was unworried by what they were doing (the Mother Thing had told me not to worry and every time she visited me she looked in my yes and repeated the injunction), nevertheless like Peewee, I like to

Pick a savage so far back in the jungle that they don't even have installment-plan buying. Say he has an LQ of 190 and Peowee's yen to understand. Dump him into Brookhaven Atomic Laboratories. How much will he learn? With all possible help?

He'll learn which corridors lead to what rooms and he'll learn that

a purple trefoil means: "Danger!"

That's all. Not because he can't;
remember he's a supergenius—
but he needs twenty years' schooling before he can ask the right

questions and understand the

I asked questions and always got answers and formed notions. But I'm not going to record them, they are as confused and conradictory as the notions a savage would form about design and operation of atomic equipment. As they say in radio, when noise level reaches a certain value, no information is transmitted. All I

got was "noiso"

Some of it was literally "noise."

I'd ask a question and one of the therapists would answer. I would understand part, then as it reached the key point, I would hear nothing but hird songs. Even with the Mother Thing as an interpreter, the parts I had no background for would turn out

to be a capary's cheerful prattle. Hold onto your seats: I'm going to explain something I don't understand how Peewee and I could talk with the Mother Thing even though her mouth could not shape English and we couldn't sing the way she did and had not studied her language. The Vegans- (I'll call them "Vegans" the way we might be called "Solarians": their real name sounds like a wind chime in a breeze. The Mother Thing had a real namo, too, but I'm not a coloratura soprano. Peewee used it when she wanted to wheedle her -fat lot of good it did ber) The Vegans have a supreme talent to understand, to put themselves in the other person's shoes I don't think it was telepathy, or I wouldn't have gotten so many wrong numbers. Call it empathy.

But they have it in various the grees, just as all of us drive cars but only a few are fit to be race drives. The Mother Thing had it the way Novaës understands a plano. I once read about an actress who could use Italian so effectively to a person who did not understand I talian that she always made herself understood. Here name was Duce. No, a like that She must have had what like that She must have had what

the Mother Thing had.

The first words I had with the Mother Thing were things like 'hello' and 'goodby' and 'thank you' and 'uhere are we going?' She could project her meaning

one could project her meaning with those-shocks, you can talk to a strange dog that much. Later I began to understand her speech as speech. She picked up meanings of English words even faster, she had this great talent, and she and Peewee had talked for days while they were prisoners together.

But while this is easy for "you're welcome" and "I'm hungry" and "let's hurry," it gets harder for ideas like "heterodyning" and "amino acid" even when both are familiar with the concept When one party doesn't even have the concept, it breaks down.

That's the trouble I had understanding those veterinarians. If we had all spoken English I still would not have understood

An oscillating circuit sending out a radio signal produces dead silence unless there is another circuit capable of oscillating in the same way to receive it. I

the same way to receive it.
wasn't on the right frequency.
Nevertheless I understood the

when the talk was not highlrow. They were nice people, they talked and laughed a lot and seemed to like each other. I also trouble telling them apart, except the Mother Thing, (I termed that we have the them between Peewee and me was that I was ill and the want). They had no trouble telling each other apart, their conversations were interlanded with music were the proposed of the property of the proposed of the property of the

dawn.

The next time I meet a canary
I'll know what he is saying even

I picked up some of this from Peewee-a hospital hed is not a good place from which to study a planet. Vega IV has Earth surface gravity, near enough, with an oxygen, carbon dioxide, and water life cycle. The planet would not suit humans, not only because

the moonday "sun" would tribe you deed with its jold of silvevolet but also the air has poisonous amounts of come; a trace of ozone is stimulating but a trifle more—well, you might as well sniff prussic acid. There was something else, too, airtous oxide I think, which was ungood for I think, which was ungood for My quarters were air-conditioned, the Vegans could breathe what I used but they considered it taste-

I learned a bit as a by-product of something else; the Mother Thing asked me to dictate how I got mixed up in these things. When I finished, she asked me babout Earth, its history, and how we work and live together. This is a tall order—I'm not still dictating because I found out I don't know much. Take ancient Baby-lonia—low is it related to early lonia—low is the related to carry the strength of the strength

Maybe Pcowee did better, since she remembers everything she bas heard or read or seen the way Dad does. But they probably didn't get ber to hold still long, whereas I had to. The Mother Thing wanted this for the reasons we study Australian aborigines and also at a record of our language. There was another reason,

The job wasn't easy but there was a Vegan to help me whenever 16th like it, willing to stop if I titred. Call him Professor Josephus Egglicad, Professor's close specification of the Professor's close specification of the Professor's close specification of the Professor is closed me the leistmost it am mean collede me the leistmost it am mean collede me the leistmost it am mean to a month of the Professor in the Professor

Buttle knew histories of many peoples and planets and could call up scenes, in moving sterce and color, until we agreed on what I meant. We jogged along, with me dictating to a silvery ball floating near my mouth and with joe raised to my level, while he dictated to another microphone, making running notes on what I said. His mike bad a girmnick that made it is bath-phone; I did not

hear him unless he spoke to me.
Then we would stumble. Joe
would stop and throw me a
sample scene, his best guess of
what I meant. The pictures appeared in the air, positioned for
my confort—if I turned my head,
the picture moved to accommodate me. The pix were colorstore-ot-levision with perfect life
store-ot-levision with perfect life
other twenty years and we'll have
other twenty years and we'll have
them as realistic. It was a seed

trick to have the projector concealed and to force images to appear as if they were hanging in air, but those are just gimmicks of stereo optics; we can do them any time we really want to—after all, you can pack a life-like view of the Grand Canyon into a viewer you hold in your hand.

The thing that did impress me was the organization behind it. I asked Joe about it. He sang to his microphone and we went on a galloping tour of their "Congressional Library."

Dad claims that library science is the foundation of all sciences just as math is the key, and that we will survive or founder, depending on how well the librarians do their jobs. Librarians didn't look glamorous to me but maybe Dad had hit on a not very maybe Dad had hit on a not very

obeious truth.

This "library" had bundreds, maybe thousands, of Vegans viewing pictures and listening to sound tracks, each with a silvery sphere in front of him. Joe said they were "telling the memory." This was equivalent to typing a card for a library's catloig, except that the result was more like are more of the library called the country of t

an electronic brain.

I spotted a triangular sign like the costume jewelry worn by the Mother Thing, but the picture jumped quickly to something else. Loe also wore one (and others see

not) but I did not get around to asking about it, as the sight of that incredible "library" brought up the word "cuberneties" and we went on a detour. I decided later that it might be a lodge pin, or like a Phi Beta Kappa key the Mother Thing was mart even

behind.

Whenever Joe was sure that he understood some English word, he would wriggle with delight like a puppy being tickled. He was very dignified, but this is not undignified for a Vegan. Their bodles are so fluid and mobile that they smile and frown with the whole works. A Vegan holding

for a Vegan and Joe was not far

perfectly still is either displeased or extremely worried. The sessions with Joe let me tour places from my bed. The dif-ference between "primary school" and "University" caused me to be shown examples. A "kindergarten" looked like an adult Vegan being overwhelmed by babies; it had the innocent rowdiness of a collie pup stepping on his brother's face to reach the milk dish. But the "University" was a place of quiet beauty, strange-looking trees and ings of surrealistic charm unlike any architecture I have ever seen -I suppose I would have been flabbergasted if they had looked familiar. Parabolas were used a lot and I think all the "straight" lines had that swelling the Greeks

o called "entasis" - delicate grace

with strength.
Joe showed up one day simply
undulating with pleasure. He had
another silvery ball, larger than
the other two. He placed it in
front of me, then sang to his own.

["I want you to hear this, Kip!"]
As soon as he ceased the larger
sphere spoke in English: "I want

you to hear this, Kip!"
d, Squirming with delight, Joe
ht swapped spheres and told me to

Ide say something.

ot "What do you want me to say?"

ir I asked.

I asked.
["What do you want me to say?"] the larger sphere sang in

That was my last session with Prof Joe.

Despite unstinting help, despite the Mother Thing's ability to make herself understood, I was like the Army mule at West Point: an honorary member of the student body but not prepared for the curriculum. I never did understand their government. Oh, they had government, but it wasn't any system I've heard of. Joe knew about democracies and representation and voting and courts of law: he could fish up examples from many planets. He felt that democracy was "a very good system, for beginners." It would have sounded patronizing, except that is not one of their I never met one of their young, Joe explained that children should not see "strange creature" until they had learned to feel understanding sympathy. That would have offended me if I hach't been learning some "understanding sympathy" myself. Matter of fact, if a human ten-year-old saw a Vesan, he would either run, or

poke it with a stick.

I tried to learn about their government from the Mother Thing, in particular how they kept the peace—laws, crimes, unishments, traffic regulations,

It was as near to flat failure as I cver had with her. She pondered a long time, then answered: ["How could one possibly act against one's own nature?"]

I guess their worst vice was that

they didn't have any. This can be tiresome.

The medical staff were interested in the drugs in Oscar's hel-

ested in the drugs in Oscar's helmet—like our interest in a witch doctor's herbs, but that is not idle interest: remember digitalis and curare.

I told them what each drug dld and in most cases I knew the Geneva name as well as the commercial one. I knew that codein was derived from optum, and optum from popples. I knew that dexectine was a sulphate but that was all. Organic chemistry and blochemistry are not easy even

with no language trouble. We got together on what a bezonen ring was, Peevee drawing it and sticking in her two dollars worth, and we managed to agree on "dement," "totope," "half life," and the periodic table. I should have drawn structural formulas, using Peewee's hands—but neither of ut land the slightest tide of the structural formula for coekien and couldn't do! teven when supplied and the slightest tide of the structural formula for coekien and couldn't do! teven when supplied stick together only in the valence of the elements they remement.

Peewee had fun, though. They may not have learned much from her; she learned a lot from them. I don't know when I became aware that the Mother Thing was

I don't know when I became aware that the Mother Thing was not, or wasn't quite, a female. But it didn't matter; being a mother is an atitude, not a biological relation.

If Noah launched his ark on Vega IV, the animals would come in by twelves. That makes things complicated. But a "mother thing" is one who takes care of others. I am not sure that all modier things were the same gender; it may have been a matter of term-

I met one "father thing." You might call him "governor" or "mayor" but "parish priest" or "scoutmaster" is closer, except that his prestige dominated a continent. He breezed in during a session with Joe, stayed five minutes, ureed loe to do a good minute. Trued loe to do a good to the stay of the stay of

job, told me to be a good boy and got well, and left, all without hurrying. He filled me with the warm self-reliance that Dad does -I didn't need to be told that he was a "father thing." His visit had a flavor of "royalty visiting the wounded" without being con-

the wounded" without being condescending—no doubt it was hard to work me into a busy schedule. Joe neither mothered me nor fathered me; he taught me and studied me—"a professor thing."

Peewee showed up one day full of bubbles. She posed like a mannequin. "Do you like my new spring outfit?"

She was wearing silvery tights, plus a little hump like a knapsack. She looked cute but not glamorous, for she was built like two sticks and this get-up em-

"Very fancy," I said. "Are you learning to be an acrobat?"
"Don't be silly, Kip; it's my new space suit—a real one."

I glanced at Oscar, big and bulky and filling the closet, and said privately, "Hear that, chum?" ("It takes all kinds to make a world.")

"Your belinet won't fit it, will te?"

She giggled. "I'm wearing it."

"You are? "The Clothes?"

"Pretty close. Kip, disconnect your prejudices and listen. This is like the Mother Thing's suit except that it's tailored for me.
My old suit wasn't much good,
and that cold cold about finished
it. But you'll be amazed at this
one. Take the helmet. It's there,
only you can't see it. It's a field.
Gas can't go in or out." She came
close. "Slap me."

close. "Slap me."
"With what?"

"Oh. I forgot. Kip, you've got to get well and up off that bod. I want to take you for a walk."

"I'm in favor. They tell me it won't be long now."

"It had better not be. Here, I'll show you." She hauled off and slapped berself. Her hand

smacked into something inches from her face.
"Now watch," she went on. She

moved her hand very slowly; it sank through the barrier, she thumbed her nose at me and giggled.

This impressed me—a space suit you could reach into! Why, I would have been able to give Peewee water and dexedrine and sugar pills when she needed them. "I'll be darned! What does

"A power pack on my back, under the air tank. The tank is good for a week, too, and hoses can't give trouble because there aren't any."

"Uh, suppose you blow a fuse. There you are, with a lungful of

"The Mother Thing says that can't happen." Mother Thing to be wrong when

she made a flat statement. "That's not all." Peewce went on, "It feels like skin, the joints

areu't clumsy, and you're never hot or cold. It's like street clothes."

"Uh, you risk a bad sunburn, don't you? Unhealthy, you tell me. Unhealthy even on the Moon."

"Oh, no! The field polarizes. Kip, get them to make you one-

we'll oo places!" I glanced at Oscar, ("Please yourself, pal," he said distantly.

"I'm not the jealous type.") "Uh. Peewee. I'll stick to one I understand, But I'd like to ex-

amine that monkey suit of yours." "Monkey suit indeed!" I woke up one morning, turned

over, and realized that I was

Then I sat up with a jerk, I

I had been warned to expect it. The "bed" was a bed and my Furthermore, I was hungry and I hadn't been hungry the whole time I had been on Vega IV. included a way to nourish me

without eating. But I didn't stop to enjoy the luxury of hunger: it was too wonderful to be a body again, not just a head. I got out of bed, was grinned, Hands! Feet! I examined those wonderful

things. They were unchanged and unhurt.

Then I looked more closely, No. not quite unchanged.

I had had a scar on my left shin where I had been spiked in a close play at second; it was gone. I once had "Mother" tattooed on my left forearm at a carnival. Mother had been distressed and Dad disgusted, but

he had said to leave it as a reminder not to be a witling. It was gone. There was not a callus on hand

or foot. I used to bite my nails. My nails were a bit long but perfect. I had lost the nail from my right little toe years ago through a slip with

a hatchet. It was back, I looked hastily for my appendectomy scar-found it and felt relieved. If it had been missing, I would have wondered if I was

There was a mirror over the chest of drawers. It showed me with enough hair to warrant a guitar (I wear a crew cut) but somebody had shaved me. On the chest was a dollar and

67 cents, a mechanical pencil, a sheet of paper, my watch, and a handkerchief. The watch was running. The dollar bill, the paper, and the bandkerchief had been

invisibly repaired, were on the desk. The socks weren't mine; the material was more like felt, if you will imagine felted material no thicker than Kleenex which stretches instead of tearing. On the floor were tennis shoes, like Peewee's even to a "U.S. Rubber" trademark, but in my size. The

trademark, but in my size. The uppers were heavier felted material. I got dressed.

I was admiring the result when Peewee kicked the door. "Anybody borne?" She came in, bearing a tray. "Want breakfast?" "Peewee! Look at me!"

She did. "Not bad," she admitted, "for an ape. You need a baircut."

"Yes, but isn't it wonderful! I'm all together again!"

"You never were apart," she answered, "except in spots-I've had daily reports. Where do you want this?" She put the tray on the desk.

the desk.

"Peewee," I asked, rather hurt,

"don't you care that I'm well?"

"Of course I do. Why do you think I made 'en let me carry in your breakfast? But I knew last might that they were going to uncork you. Who do you think cut your nails and shaved you? That'll be a dollar, please. Shaves have gone up."

She didn't take it. "Aw, can't

you take a joke?"
"Neither a borrower nor a lender be.""

"Polonius. He was a stupid old bore. Honest, Kip, I wouldn't take your last dollar."

"Now who can't take a joke?"

'Oh, eat your breakist. That pumple juice, 'et suid,' tastes like orange juice-it's very nice. The stuff that look like scrambled eggs is a fair substitute and I had 'om color it yellow-the eggs had 'om color it yellow-the eggs had 'om color it yellow-the eggs that yellow the egg them. The buttery stiff is vegetable fat and I had them color it, too. The bread is bread, I coasted it myself. The salt is salt and I stuffer them that we can did surprise them that we can did stuffied them that the color it, too. The them that we can be sufficiently believe to the color it too. The painter polon. So the salt is good to the salt in the proper surprise surprise proper surprise proper surprise surpr

"I won't miss it."
"I never touch the stuff—I'm try-

e ing to grow. Eat. Your sugar count has been allowed to drop so that you will enjoy it." The aroma was wonderful.

"Where's your breakfast?"
"I ate hours ago. I'll watch and swallow when you do."

in The tastes were odd but it was
ist just what the doctor ordered—
inliterally, I suppose. I never enut joyed a meal so much.
I'll Presently I slowed down to say.

"Knife and fork? Spoons?"

"The only ones on-" She vocalized the planet's name. "I got tired

of fingers and I play hob using what they use. So I drew pictures. This set is mine but we'll

order more."

PANTASY AND SCIENCE FICTION

There was even a napkin, more felted stuff. The water tasted distilled and not aerated. I didn't mind. "Peewee, how did you

mind. "Peewee, how did you shave me? Not even a nick."
"Little gismo that beats a razor all hollow. I don't know what they use it for, but if you could patent it, you'd make a fortune. Aren't you going to finish that

toast?"
"Uh-" I had thought that I could eat the tray. "No, I'm full."
"Then I will." She used it to mop up the "butter," then an-

nounced, "I'm off!"

nounced, 1m on!
Where?
To suit up. I'm going to take you for a walk! She was gone.
The hall outside did not initiate the same state of the same of the

were typically vegan. But everything worked.

Peewee returned while I was checking Osear. If they had cut him off me, they had done a marvelous job of repairing; even the places I had patched no longer showed. He had been cleaned so thoroughly that there was no odor inside. He had three hours of air and seemed OK in every way. You're in good shape, partner."

("In the pink! The service is ex-

"So I've noticed." I looked up and saw Peewee; she was already

in her "spring outfit."
"Peewce, do we need space

suits just for a walk?"
"No. You could get by with a

respirator, sun glasses, and a sun shade."

"You've convinced me. Say, where's Madame Pompadour?

How do you get her inside that suit?"

"No trouble at all, she just

bulges a little. But I left her in my room and told her to behave herself."

herself."
"Will she?"
"Probably not. She takes after

me."
"Where is your room?"
"Next door. This is the only

part of the house which is Earthconditioned."

I started to suit up. "Say, has that fancy suit got a radio?"

"All that yours has and then some. Did you notice the change in Oscar?"

"Huh? What? I saw that he was repaired and cleaned up. What else have they done?"
"Just a little thing. One more

cliek on the switch that changes antennas and you can talk to people around you who aren't wearing radios without shouting."

"I didn't see a speaker." "They don't believe in making

everything big and bulky."

As we passed Peewee's room I glanced in. It was not decorated

Vegan style; I had seen Vegan interiors through stereo. Nor was it a copy of her own room—not if her parents were sensible. I don't know what to call it—"Moorish harem" style, perhaps, as conceived by Mad King Ludwig.

with a dash of Disncyland.

I did not comment. I had a hunch that Peewee had been given a room 'just like her own' because I had one; that fitted the Mohler Thing's behavior. Deewee had seen a golden chance to let her overfertile imagination run wild. I doubt if she fooled the Mohler Thing one split second. She had probably let that indulgent overtone come into her into

she wanted.
The Mother Thing's home was smaller than our state capital but not much her family seemed to not much her family seemed to make the family seemed to make the complex of the family. has a wide meaning under their complex intellibase, We didn't see any young ones on our floor and I knew that they ware being kept away from the "mounters." The adults all greeted me, inquired as to my health, and I wanted the mounter of the product of the seemen seemen

could sing their names.

I thought I recognized one of my therapists, but the Mother Thing, Prof Joe and the box vetering in were the only Vegans I.

was sure of and we did not meet

We hurried on. The Mether Thing's home was typical-many soft round cushions about a foot thick and four in diameter, used as beds or chairs, floors bare, sikk and springy, most furniture on the walls where it could be reached by climbing, convenient rods and poles and brackets a person could drape himself on while using the furniture, plants growing unespectfully here and there as if the jungle were moving isdelightful, and as useful to me as

Through a series of parabelic arches we reached a balcouy. It was not railed and the drop to a terrace was about 75 feet; I stayed back and regretted again that Oscar had no chin window. Perceve went to the edge, put an arm around a slim pillar and leaned out. In the bright outdoor light her Thelmet' became an opalescent sphere. 'Come see' All Rev. All Rev. Maybe

"Well, for goodness' sakes, take my hand and grab a post."

my hand and grab a post."

I let her lead me to a pillar, then looked out.

It was a city in a jungle. Thick dark green so tangled that I could not tell trees from vine and busb spread out all around but was broken repeatedly by build ings as large as and larger than the one were in. There were no roads; their roads are underground in cities and sometimes outside the cities. But there was air traffic - individual fliers supported by contrivances even less substantial than our own one-man Like birds they launched themselves from and landed in bal-

conies such as ours There were real birds, too, long and slender and brilliantly colored, with two sets of wings in tandem - which looked aerodynamically unsound but seemed to

The sky was blue and fair but broken by three towering cumulus anvils, blinding white in the dis-

"Let's go on the roof," said Peewee, "Over bere," It was a scuttle bole reached by staggered slender brackets the

Vegans use as stairs. "Isn't there a ramp?" "Oh, don't be a sissy." Peewee

went up like a monkey. I followed like a tired bear. The brackets were sturdy despite their

grace; the hole was a snug fit. Vega was high in the sky. It appeared to be the angular size of our Sun, which fitted since we were much farther out than Terra is from the Sun, but it was too bright even with full polarization. I looked away and presently eyes and polarizers adjusted until I could see again. Peewee's head was concealed by what appeared to be a polished chrome basketball. I said, "Hey, are you still

"Sure," she answered, "I can see out all right. It's a grand view. Doesn't it remind you of Paris from the top of the Arc de Triomphe?"

"I don't know. I've never done

any traveling." "Except no boulevards, of course. Somebody is about to land

I turned the way she was pointing-she could see in all directions while I was hampered by the built-in tunnel vision of my

helmet. By the time I was turned around the Vegan was coming in ["Hello, children!"] "Hi, Mother Thing!" Peewee

threw ber arms around her, picking her up. ["Not so hasty, dear, Let us

shed this," The Mother Thing stepped out of her harness, sbook berself in ripples, folded the flying gear like an umbrella and hung it over an arm. ["You're

looking fit," Kip."] "I feel fine, Mother Thing! Gee. it's nice to have you back

["I wished to be back when you got out of bed. However, your therapists have kept me advised every minute."] She put a little hand against my chest, growing a bit to do so, and placed her eves almost against my face plate, ["You are well?"]

"I couldn't be better."

"He really is. Mother Thing!" ["Good. You garee that you are well, I sense that you are. Peewee is sure that you are and, most

assures me that you are. We'll leave at once."]

"What?" I asked. "Where. Mother Thing?"

She turned to Peewce. ["Haven't you told him, dear?"

"Gee, Mother Thing, I haven't had a chance." ["Very well."] She turned to

me, ["Dear Kip, we must now attend a gathering. Questions will be asked and answered, decisions will be made." She spoke to us both. ["Are you ready to leave?"] "Now?" said Peewee. "Why, I guess so-except that I've got to

get Madame Pompadour." l"Fetch her, then. And you. "Uh-" I couldn't remember

whether I had put my watch hack on after I washed and I couldn't tell because I can't feel it through Oscar's thick hide. I told her so. ["Very well. You children run

to your rooms while I have a ship We went down by ramp. I said,

"Kip-please listen! I was told not to tell you while you were ill. The Mother Thing was very firm about it. You were not to be disturbed-that's what she said!- while you were growing well," "Why should I feel disturbed? What is all this? What gathering? What questions?"
"Well . . . the gathering is sort

of a court. A criminal court, you might say."

"Huh?" I took a quick look at

my conscience. But I hadn't had -I had been helpless as a baby

up to two hours ago. That left Peewee, "Runt," I said sternly, "what have you done now?"

"No. Kip. Oh. I'm sorry I didn't tell you at breakfast! But Daddy says never to break any news until after his second cup of coffee and I thought how nice it would be to take a little walk before we

had any worries and I was going to tell you-' "Make it march."

"-as soon as we came down. I haven't done anything. But there's old Wormface."

"What? I thought he was dead." "Maybe so, maybe not, But, as the Mother Thing says, there are still questions to be asked, decisions to be made. He's up for the

I thought about it as we wound our way through strange apart-

to our Earth-conditioned rooms. High crimes and misdemeanors ... skulduggery in the spaceways

for it. If the Vegans could catch him, "Had caught him" apparently, since they were going to try him. "But where do we come in?

As witnesses?"
"I suppose you could call it

What happened to Wormface was no skin off my nose—and it would be a chance to find out more about the Vegans. Especially if the court was some distance away, so that we would

travel and see the country.

"But that isn't all," Peewee went on worriedly.

"What else?"

She sighed. "This is why I

wanted us to have a nice sight-see first. Uh . . ."

"Don't chew on it. Spit it out."

"Well . . . we have to be tried,

"What?"

"Maybe 'examined' is the word.
I don't know. But I know this: we can't go home until we've been judged."
"But what have we done?" I

burst out.
"I don't know!"

My thoughts were boiling. "Are you sure they'll let us go home then?"
"Mother Thing refuses to talk

about it."

I stopped and took her arm.
"What it amounts to." I said bit-

"What it amounts to," I said bitterly, "is that we are under arrest."
"Yes..." She added almost in a sob, "But, Kip, I told you she was "Great stuff. We pull her chestnuts out of the fire; and now we're arrested—and going to be tried—and we don't even know why! Nice place, Vega Four. The natives are friendly." They had nursed me—as we nurse a gang

ster in order to hang him.

"But, Kip-" Peewee was crying openly now. "I'm sure it'll be
all right. She may be a cop-but

she's still the Mother Thing."
"Is she? I wonder." Peewee's
manner contradicted her words

She was not one to worry over nothing. Quite the contrary.

stand. I ungasketed to put it in an inside pocket. When I came out, Feewee was doing the same with Madame Pompadour. "Here," I said, "I'll take her in with me. I've got more room."

"No thank you," Peewoe answered bleakly. "I need her with me. Especially now."
"Uh, Peewee, where is this

court? This city? Or another one?"
"Didn't I tell you? No, I guess
I didn't. It's not on this planet."
"I thought this was the only in-

"I thought this was the only inhabited..."
"It's not a planet around Vega.

Another star. Not even in the Galaxy."
"Say that again?"

"It's somewhere in the Lesser Magellanic Cloud."

(continued next more

Dr. William C. Bord, projector of immunolumity at Boston University, it a new wide a major projection and a caugh of major bubbles. One of these is writing transc fettion under the name of Boyl Ellandy. With bir wire, E. Dr. G. Boyl (whose personally phyline "Verb Sap?" delighed we all in the September, 1596, F65E. Remember that demonsically over-literate demons?). Dr. Boyl rike a mother boddy, relativity, in the following unitely and, darphe a heavy load of novel ideas, he rides it with high-tempting clarity.

Will Time Wait?

by WILLIAM C. BOYD

YOU KNOW, OF COURSE, THAT IF you were to take off in a space ship and make a round trip into space at a speed close to that of light, when you returned to Earth. you would find yourself noticeably younger than the friends you left behind. At least you ought to know it, for this idea has been used as the basis of one science fiction story after another. On the other hand, despite the authority tific circles the question is still open to discussion, and there are some theoretical physicists who maintain that this is all bunk and that on the contrary you'd come home not a second younger than your stick-on-the-Earth friends.

The polysyllabic argument concerning this has, for example, for several years enlivened the letter columns of Nature, that eminently respectable British journal of general science.

Before I go into the merits of the two sides of the controversy, I should give a little background, for the benefit of those who came in late.

Einstein's theory of relativity grew out of one experimental observation and one assumption.

(1) The observation was this: You can't by any experiment detect the motion of the earth through space except by reference to some other moving object. There apparently is nothing that

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is just standing still. In fact, there is no meaning to the phrase "standing still." There is no absolute standard of rest. There is no hitching post in the universe. This is Einstein's principle of relatipitu Motion can never be absolute. It can be measured only relative to something else. Our personal motions are measured relative to the Earth as though it were standing still; the Earth's motion is measured relative to the Sun: the Sun's motion relative to the center of the Galaxy, and the center of the Galaxy . . . There is no end. (2) The assumption was

this: The velocity of light in empty space is always the same, utterly independent of the velocity of the source Light from a moving body travels at the same rate as light from a stationary body. In other words, no matter how fast a star is approaching (or receding), its light takes a fixed time to arrive. Einstein, in his original 1905 paper, showed that the principle of relativity was compatible with the assumption of constant velocity for light in space and that on the basis of the deductions from the two compatible principles many of the then cur rent puzzles of physics disan-

In this same first paper on relativity, Einstein drew another conclusion: that if a clock at point A is synchronized with a clock at point B (both being in a system

in which Newton's laws are good as a first approximation), and clock A moves to point B, when it arrives at B it will be found to be slow as compared with the clock at B. (Actually, the problem of "synchronizing" clocks isn't so cast. If one clock is on the More cast. If one clock is on the More

at B. (Actually, the problem of "synchronizing" clocks in its assay. If one clock is on the Moon make sure they are marking identical time? Radio signals take time and that must be allowed for. Earth and Moon are moving relative to each other and that partiality the amount of lag between the two clocks will depend on the preed at which is trovely, and the preed at which is trovely, and the great of the preed at which is trovely, and the great of the preed at which is trovely, and the great of the preed at which is trovely, and the great of the preed at which is trovely and the preed at the preed a

Now a paradox, according to the larger dictionaries, is something which seems contrary to common sense, but is nevertheless true. The fact that the Earth is moving around the Sun, rather than vice versa, is a paradox in this sense. However, "paradox" has come to mean in popular speech something that seems true, but iant, which is just the reverse of the older meaning.

Thus in The Pirates of Penzance, the "proof" that Frederic is "really a little boy of five" is called a most ingenious paradox." Being born on the 20th of February, he bad had only five birthdays, so he seemed only five since process.

one is as old as the number of

hirthdays he had. But he was In the case of the clocks, the older meaning applies. It seems contrary to common sense to sup-

nose that clock A would be slow when it got to B, but in the minds of many, including Einstein, it is true. Hence, it is the "clock para-

To see how this particular paradox might apply to space travel. consider a modification of an example proposed by Sir Charles Galton Darwin (grandson of the author of outers or energys)

which reduces everything to the simplest terms. Let us suppose, says Sir Charles.

that one twin (Hon) starts off in 4/5 that of light, and travels to a star 4 light years away. Once arrived, our traveller reverses his direction and returns at the same velocity. The round trip, a total distance of 8 light years, from the point of view of his hrother Sit who stays at home would take 8 - % or 10 years But how about the times recorded by the clocks of the twins when Hon returns? That will tell us if their relative rates of aging are affected.

Darwin reasons as follows: Lot each twin have an accurate clock which causes the emission of a flash of light, visible by the other are separating so that each successive flash has a longer distance one ner 3 hours. Note that both has slowed down. After Hop reverses his flight, and when the twins can see that they are anproaching each other, they will then see flashes at the rate of one per % hour or 3 per hour. (The intervals hetween flashes are calculated by formulas hased on relativity theory-not particularly difficult, but, on the other hand, pages of this article.)

The key point now arises. There is a difference between the evthe star is going to take just the same time, according to Hon's clock, as the return, since his speed is the same both ways. So when Hop arrives at the 4 lightyear star and reverses direction, the reading of his clock, whatever at-home brother Sit. Hop will Sit at the rate of one per 3 hours for half of the time, and at the rate of 3 per hour for the other half of the time. The average is % (3 + %), or 5/3 per hour, Now. then, Sit sent out, at one-hour intervals, 10 years' worth of flashes,

74 received them at the rate of 5/3 of

per hour, so that he gathered them all in the space of $10 \div 5/3$, or 6 years. He will naturally suppose this is the time he has been away, especially as this is what his clock will read, as we see in the

crock was road,

Stay-at-home Sit continues to observe slow flashes (one every 3 hours), not only until Hop reverses his course after five years. but for 4 years more, since the star is by definition 4 light years away. So he gets slow flashes for 9 years. He can get fast flashes for only the one remaining year. Thus Sit's total count of Hop's flashes is (% x 9) + (3 x 1) or 6 years' worth of one-per-hour flashes. Since Hop is now back, and not sending flashes any more, 6 years' worth is all he did send, and the reading of his clock must there-The twins agree that although Sit sent out 10 years' worth of

flashes, while Hop was away, and therefore lived 10 years, during this same time Hop sent out only 6 years' worth of flashes, and consequently lived only 6 years. So it is no wonder that Sit has more wrinkles than Hop, his hair is grayer, and his reflexes slower.

The Darwin example, however, has not convinced everyone. Herbert Dingle, a British astronomer and physicist (retired), denies most vigorously the existence of the clock paradox. Professor Dingle says: Look, the principle such thing as absolute motion, only motion of one observer relative to another. There is no fixed frame of reference to refer motion to, so Hop would he just as justified in believing that Sit is going away from him at a velocity of % that of light, while Hop remains fixed, as in assuming the opposite. The theory of relativity demands that any effects of such relative motion be completely symmetrical -therefore, there is no more reason to suppose that Sit has aged 6 years and Hop 10 by Darwin's line of reasoning than vice versa, The only way out of the impasse is to decide that the clocks of Sit and Hop must read the same when they are reunited, and that Sit and Hop will be the same age. To maintain anything else is to deny the very basis of relativity, argues Professor

Dingle.

Is it possible that the basis of relativity must, after all, be derelativity must, after all, be denied? For, as pointed out by Professor W. M. McCrea of Royal
Hollowys College (the most outspoken of Dingle's many opponents in this controvery), there
is a very real difference in the
careers of Sit and Hop. Hop has
a rocket engine and uses it to accelerate to a velocity of X the
speed of light, whereas Sit does
not. It Hop's velocity is addealy

brought back to zero, it is Hop and not Sit who is killed

This may be an effective rehuttal of Dingle's view, but if it is true, what becomes of the principle of relativity? Is there after all an absolute standard of rest in the universe? Before we try to answer this, maybe we should consider carefully whether there may not be some other hidden joker. Could it perhaps be the accelerations that make the difference? After all, Hop fires a rocket and accelerates his velocity to % the speed of light, and later on has to reverse all this. Maybe this affects the rate of his clock (and his own heart beat, respiration,

cot.). To this, Professor Dingle says, in effect: Why, this is not a valid argument at all. Relativity specifically says you cannot tell which of two observers is in absolute motion. Hop may fire a rocket and feel a tremendous acceleration as a result, but for all we know, or all he knows, he may be decelerating, bringing himself to rest from a uniform state of rapid motion which both he and Sit have been in, quite unknown to them, since they first come into existence. And if Hop can be killed by being brought to sudden rest relative to Sit. as Professor McCrea points out, so can Sit be killed if brought to sudden

However, the real flaw in Dar-

win's argument, says Professor Dingle, is the assumption that when we are talking about the relative motion of Sit and Hop we can say anything about the motion which will specify which one is "really" moving. The process of reversing a going-away motion and starting a coming-together motion cannot be the exclusive property of one of the observers. So when Darwin assumes that it is Hop who knows just when he reverses his motion, and that the motion is really reversed at tho same instant for Sit (granting that Sit doesn't find out about the reversal until 4 years have passed), he is violating the principle of relativity. No, says Professor Dingle, the motion of Sit and Hop is a relative matter, and so is the instant of reversal, which does not belong to either observer uniquely, and cannot be uniquely

The apparent confusions and contradictions of such theoretical disputation make it natural to think that the only wholly convincing evidence will come with the achievement of actual space travel-to handsome distances and at respectable velocities. On the other hand, Frank S. Crawford, Ir. suggests that the experiment has already heen made, and that the answers are clear. As follows: The impact of cosmic rays is

constantly knocking short-lived

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particles called a - mesons, out of atoms in the upper atmosphere. The half-life of a a - meson is so short that practically none would travel downward at high velocities, were not their aging retarded by just the effect we have been discussing, the clock paradox. Since in fact, a goodly number do get down to sea level, their rate of "aging" must have been

Q. E. D.? Well, not quite, according to Professor Dingle. It is true, he says, that the time required for the mesons to arrive is greater, as measured by us on the ground, than it would be as measured by an observer riding one of the mesons. However, says Dingle, if the meson reversed its direction and returned to the upper atmosphere, the total time recorded by the meson observer would be the same as that recorded by the sea level observor. And still the argument seems un-It boils down to this: Does rela-

tivity indeed state, as Dingle insists, that you can't ever decide in relation to the other.

A lot of people think this is what relativity does say, and you could read Einstein's first paper again and again without ever noticing that maybe this is not, after all, a correct interpretation. . . .

There is a principle of physics. stated first by Ernst Mach and known, unsurprisingly, as Mach's principle, which asserts that there the universe and that this standard is the mass of the universe as a whole, which, for practical purposes, means the mass of the distant galaxies. If Mach's principle bolds, absolute motion does bave a meaning. It can then be asserted, contrary to what Professor Dingle maintains, that Hop does the real moving and Sit is the real stay-at-home, for Sit is at rest with respect to the distant galaxies and Hop is in motion. . . . Einstein subscribed to Mach's principle.

But if he did and if Mach's bases of the theory of relativity why is this matter not better known?

One reason is that in his famous 1905 paper, Einstein does not specifically mention it. Einstein introduced the distant galaxies into his argument in a very indirect fashion. He simply said. "Let us take a system of coordinates in which the equations of (adding the footnote "i.e. to the first approximation"). The trick is that these equations hold good only in an "inertial frame," and it is only the mass of the universe at large (Mach's principle)

that defines our inertial framo.
And to this, McCrea and those who are on his side, agree: With no inertial frame, it could not be shown that Hop and not Sit had done the travelling. In an empty universe, there would be no clock paradioc—when Hop returned, instead of being younger than bis brother, as would bappen in our full mirverse, he would be the same age. In fact, it will be the strong and the strong are stood, would ready owners as the strong as a strong would read the strong would be strong the strong would read the strong would be strong the strong the strong would be strong the str

the theory of general relativity (Einstein's later theory, capable of treating non-uniformly moving systems) deals quite adequately with problems of inertia without making any real use of the "metaphysical" Mach's principle. All except Dingle agree, however, that there would be a real age difference between Sti and Hop.

Some relativists consider that

Well, then, what should weyou and I, that is-believe? Thirty
years of scientific research have
convinced me that when there
is controversy about a point in
science, you should form your
own opinion, if you understand
the subject, and hold to your
opinion until somebody convinces
you that you are brown. If you
thank you are reduced to the simple procedure
about the post of the propale who
apparently do, and you are reduced to the simple procedure.

of counting prominent poses. In the present case, this technic vields an overwhelming verdict in favor of the McCrea side of the controversy. All the astronomers and physicists I know are in agreement in believing that the as Einstein said it would, and that Professor Dingle is wrong in his objection. In fact the issue was for years regarded as closed until Professor Dingle suddenly decided to reopen the question. The only author, so far as I know, who agrees with Dingle as L. Essen, an expert on quartz clocks and principal scientific officer at the National Physics Laboratory in England: and as far as I am aware, he has contributed only

the authorities in a field does not constitute a guarantee that they are right-but experience shows that by and large they are. It has happened, and more than once, that all the authorities were wrong, and a lone-wolf noncorriormist was right. More than once —but in no more than about I percent of the cases, or less.

one brief note on the subject.

Obviously, agreement among

So, I am inclined, on the basis of what the authorities say, to beheve that when space travel develops to the point where long ovyages at velocities approaching the speed of light become possible, it will be found that returned space travellers have aged less than their twin brothers who

stay at home.

Formulas for calculating the time difference were published by the great pionest of space travel, Robert Ensault-Peltorie, and more recently by Professor E. M. McMillan. From them it can be calculated that a rest galaxy in the cast-place of the space of the professor in the cast-place of the space published at a constant acceptant of 2 g for half the distance, then reversing so as to come to rest as the reached his destination, and re-posting the whole process to re-posting the whole process to re-posting the whole process to re-

turn to Earth, would spend, ac-

cording to his clock, about 29 years on the round trip. But he

would find that according to

Earth's clocks nearly 3,000,000

years had elaused, and most of his friends and relatives would be very near senility. However, it will be some time before such results are seen in practice. It is generally agreed that space travel, with the technics available and presently in prospect, will be limited to the solar system until methods far bevond anything we can now imagine are developed. Professor McMillan calculated that a man going to Neptune in a space ship with an acceleration as great as 10g (which might well begin to seem pretty stiff before he arrived), would gain only 1.5 minfor the one-way trip. He could gain another 1.5 minutes on the way back. If his object is merely to stay young, this looks like doing it the hard way.

Not only are the technics of space travel to such enormous distances not yet developed, at present we do not even see any possible way of ever developing them, McMillan calculated that his traveller (in a one-ton space ship) merely in going to Neptune would need energy equivalent to more than the amount obtainable from the fission of two tons of uranium. To reach the stars, unless the "space warp" and "hyper-space jump" of science fiction become realities, we can never get enough power unless we can convert matter completelu into energy (E=mc2-a transformation which today we haven't the remotest idea how to accomplish. Even if we could do it, the required amounts of this ultimate fuel.

lerge, to say the least.
Part of the trouble, of course, is the same as that we face in our present chemically fueled rockets: you have to take all your fuel with you, including that for the return, for you cannot count on making a landing to refuel, or on fanding the right fuel (though in the case of total conversion of maker as energy, unifor not count maker as energy, uniform country and the country of th

matter itself, are disconcertingly

So your ship has to be loaded,

on take-off, with all the fust to accelerate you and it during the trip halfway there, plus that required to decelerate you so at to stop at your destination, plus all the fuel required for the return voyage. All this fuel has to be accelerated along with you, though the job gradually get less as you travel and the fuel is used up. The net result is that if the ratio of fuel to you load required to go halfway is n, the ratio required for the round trip is ry-

which can be pretty huge. A man in a one-ton space ship the round trip to alpha-Centauri. using a constant acceleration of only 1 g, starting with fuel in the form of matter weighing some 1600 tons. Awkward, certainly, but maybe some day not impossible. But your explorer who goes to Andromeda with an acceleration of 2 g, assuming his space ship also to weigh one ton (somewhat smaller than Sputnik III. and probably quite inadequate to start from Earth with 8.39 x 1025 or about 84,000,000,000,000 000,000,000,000, tons of matterfuel. Since the mass of the Earth is only about 6.60 x 1021 tons, this means our adventurer would have to take off with, and convert com-

plctely to energy which is used with 100 percent efficiency during the round trip, mass equivalent to more than 10,000 Earths. By accelerating to nearly the speed of light, then shutting off the engine and coasting, the voyage could be made with much less fuel, but then the time elapsing on the ship becomes forbiddinely loss.

Now it is very dangerous to state that a thing is impossible. Only too often, a few years (or days) after you publish such a up with a way of doing it that will ever visit the galaxy in Andromeda. But I think we might venture to say that it does not seem likely that we shall get there so long as we are still forced to accelerate space ships on the rocket principle and get our energy from the annihilation of matter-than which we cannot at present even imagine a better, or indeed any alternative, source.

Subject to this qualification then, we are probably justified in concluding tentatively that while it may be entirely all right for writers to use the clock paradox in stories, it will be some time yet before it becomes a significant problem in our daily life.

A few years ago, R. M. McKenna retired from the Navy, enrolled in a university, and, swallowing the anchor altogether, married a (chaming) librarian, Who one full career behind him, he here kaunches on another—in a particularly moving fashion...

CASEY AGONISTES

by R. M. McKENNA

You can't just plan die. You got to do it by the book.

That's how come I'm here in this TB ward with nine other

recruits. Basic training to die. You do it by stages. First beig ward, you walk around and go out and they call you mister. Then, if you got what it takes, a promotion to this isolation ward and they call you charles. You can't go nowhere, you meet the masks, and you get the feel of being dead.

Bring dead is being weak and walled off. You hear car noises and see little doll-people down ou the sidewalks, but when they come to visit you they wear white masks and nightgowns and talk past you in the wong voices. They're seared you'll rub some off on them. You would, too, if you

Nobody ever visits me. I had practice being dead before I come here. Maybe that's how I

It's easy, playing dead here. You eat your pills, make out to sleep in the quiet hours and drink your milk like a good little charles. You grin at their phony joshing about how bealthy you look and feel. You all know hetter, but them's the rules.

Sick call is when they really make you know it. It's a paradethe head doctor and nurse, the floor nurse Mary Howard and two internes, all in masks and nightgowns. Mary pushes the wheeled rack with our fever charbead with wooden eyes and pinchnose glasses. The head nurse is fat, with little pig eyes and a deep voice.

The doe can't see, hear, smell or touch you. He looks at your reflection in the chart and talks about you like you was real, but it's Mary that pulls down the cover and opens your pajama coat, and the internes poke and look and littm and tell the does.

what they see and hear. He asks You tell them how good you feel

and they tell him. He ain't supposed to get con-

Mary's small, dark and sweet and the head nurse gives her a bad time. One interne is small and dark like Mary, with soft black eyes and very gentle. The

other one is pink and chubby. The doe's voice is high and thin, like he ain't all there below decks. The head nurse snaps at Mary, snips at the internes, and puts a kind of dog wiggle in ber voice when she talks to the doc-

I'm glad not to know what's under any of their masks, except maybe Mary's, because I can likely imagine better faces for them than God did

The head nurse makes rounds. riding the book. When she catches us out of line, like smoking or being up in a quiet hour, she

She gives us hell too, like we was habies. She kind of hints that if we ain't respectful to her and obey her rules maybe she won't let us die after all.

Christ, how I hate that hag! I hope I meet her in hell. That's how it struck me, first day or two in isolation. I'd looked

around for old shipmates, like a my does, but didn't see any. On the third day one recognized me. I thought I knew that gravel

voice, but even after he told me I

He was skin and bones and his blue eyes had a kind of puzzled look like I saw in them once years ago when a big Limey sucker punched him in Nagasaki loe's. When I remembered that, it made

me know, all right. He said glad to see me there and we both laughed. Some of the others shuffled over in strined bathrobes and all of a sudden I was in like Flynn, knowing Slon Chute, I found out they called the head doc Uncle Death. The fat nurse was Mama Death. The blond interne was Pink Waldo the dark one Curly Waldo, and

Mary was Mary. Knowing things like that is a kind of password. They said Curly Waldo was sweet on Mary, but he was a poor Italian, Pink Waldo come of good family and was trying to beat him out. They were pulling for Curly

Waldo me talked over old times in China. I kept seeing him like he was on a cup of coffee topside by the after fireroom hatch, while his spipes turned to down below. He wore bleached dungarees and shiped shoes and he looked like a lord of the earth. His broad face and big belly. The way he stoked

chow into himself in the guinea

pullman-that's what give him his

FANTASY AND SCIENCE FICTION

I thought a thought at her.

name. The way he took aboard beer and samshu in the Kongmoon Happiness Gardeo. The way he swung the little ne-sams daneing in the hotels on Skibby Hill. Now . . . Godalmightyl It made me know.

made me know.

But ho still had the big jack

"Remember little Connie that danced at the Palais?" he asked.

t remember

"You know, Charley, now I'm headed for scrap, the onliest one dann thing I'm sorry for is I didn't shack with her when I had

"She was nice," I said.
"She was green fire in the

velvet, Charley. I had ber a few times when I was on tho Monocacy. She wanted to shack and I wouldn't never do it. Christ, Christ, I wish I did, now!" "I ain't sorry for anything, that

I can think of."
"You'll come to it, sailor. For every guy there's some one thing. Remember how Connie used to put her finger on her nose like a

"Now Mr. Noble, you mustn't keep arthur awake in quiet hour. Lie down yourself, please."

It was Mama Death, sneaked

"Now rest like a good boy, elarles, and we'll have you home before you know it," she told me on her way out.

the ward had green-gray moleum, high, narrow windows, a spar-color overhead, and five bunks on a side. My bunk was at one end next to the solarium. Slop Chute was across from me in the middle. Six of us was sailors, three soldiers, and there was one

We got mucho sack time, training for the long sleep. The marine bunked next to me and I saw a lot of him

He was a strange guy. Name of Camahan, with a pointed nose and a short upper lip and a go-tohell stare. He most always wore his radio earphones and he was all the time griming and chuckling like he was in a private world

It wasn't the program that made bin grin, either, like I thought first. He'd do it even if some housewife was yapping about how to didify the dumplings. He earried on worst during siek eall. Sometimes Uncle Death looked across almost like he could hear it direct.

I asked him about it and be put me off, but finally he told me. Seems he could hypnotize himself to see a big ape and then make the ape clown around. He told me I might could get to see it too. I wanted to try, so we did. "He's there," Carnahan would

"He's there, say, "Sag your

"Just expect him, he'll come, Don't want him to do anything. You just feel. He'll do what's natural," he kept telling me

I got where I could see the ape -Casey, Carnahan called him-in flashes. Then one day Mama Death was chewing out Mary and I saw him plain. He come up behind Mama and-I busted right

He looked like a bowlegged man in an ape suit covered with

red-brown hair. He grinned and made faces with a mouth full of his vellow teeth and he was furnished like John Keeno himself.

"Put on your phones so you'll nahan whispered, "Only you and me can see him, you know."

Fixing to be dead you're ready for God knows what, but Casey was sure something.

"Hell no, he ain't real," Carnahan said. "We ain't so real ourselves any more. That's why we can see him."

Carnahan told me okay to try and let Slop Chute in on it. It ended we cut the whole gang in, going slow so the masks wouldn't

It bothered Casey at first, us all looking at him. It was like we

didn't know who to mind. He

vawed all over the ward not ablo to steer himself. Only when Mama Death was there and Casey went after her, then it was like all the strings pulled the same way.

The more we watched him the plainer and stronger he got till finally he started being his own man. He came and went as he pleased and we never knew what he'd do next except that there'd be a laugh in it. Casey got more and more there for us, but he

He made a big difference. We all wore our earphones and giggled like idiots. Slop Chute wore his big sideways grin more often. Old Webster almost stopped grip-

There was a man filling in for a padre came to visitate us every week. Casey would sit on his knee and wiggle and drool, with one finger between those strong, yellow teeth. The man said the radio was a Godsend to us patient spirits in our hour of trial. He stopped coming

Casey made a real show out of sick call. He kissed Manua Death smack on her mask, danced with her and bit her on the rump. He rode piggy back on Uncle Death. He even took a hand in

Mary's romance. One Waldo always went in on each side of a bunk to look, listen and feel for Uncle. Mary could go on either side. We kept count of whose side she picked and how close she stood to him. That's how we figured Pink Waldo was ahead. Well, Casey started to shoo her gently in by Curly Waldo and

gently in by Curly Waldo and then crowd her closer to him. And, you know, the count began to change in Curly's favor. Casey

had something.

If no masks were around to bedevil, Casey would dance and turn handsprings. He made us all

feel good.

Uncle Death smelled a rat and had the radio turned off during sick call and quiet hours. But he couldn't cut off Casey.

Something went wrong with Roby, the cheerful black boy next to Slop Chute. The masks were all upset about it and finally Mary come told him on the sly. He wasn't going to make it. They were going to flunk him back to the big ward and maybe back to the world. Mary's good that way. We

Mary's good that way. We never see her face, of course, but I always imagine for her a mouth like Venus has, in that picture you see her standing in the shell. When Roby had to go, he come

around to each bunk and said goodbye. Casey stayed right behind him with his tongue stuck out. Roby kept looking around for Casey, but of course he couldn't see him.

He turned around, just before he left the ward, and all of a sudden Casey was back in the middle and scowling at him. Roby stood looking at Casey with the saddest face I ever saw him wear. Then Casey grinned and waved a hand. Roby grinned back and tears run down his black face. He

waved and shoved off.

Casey took to sleeping in Roby's
bunk till another recruit come in.

One day two masked orderlies loaded old Webster the white loaded old Webster the white onto a go-to-jesus cart and wheeled him off to x-ray. They said, But later one came back and wouldn't look at us and pushed Webster's looker out and we knew. The masks had him in a quiet room for the graduation of the day with the said of the said that the said of the said

They always done that, Slop Chute told me, so's not to hurt the morale of the guys not able to make the grade yet. Trouble was, when a guy went to x-ray on a go-to-jesus cart he never knew till he got back whether he was going to see the gang again.

Next morning when Uncle Death fell in for sick call Casey come bouncing down the ward and hit him a haymaker plumb on the mask.

I swear the bald-headed bastard staggered. I know his glasses fell off and Piak Waldo caught them. He said something about a moment of vertigo, and made a quick job of sick call. Casey stayed right behind him and kicked his stern post every step he took. Mary favored Curly Waldo's side that day without any help from Casey.

After that Mama Death really got ugly. She slobbered loving care all over us to keep us knowing what we was there for. We got baths and back rubs we didn't want. Quiet hour had to start on the dot and be really quiet. Sho was always reading Mary off in whispers, like she knew it both-

Casy followed her around aping her duck waddle and paking her between the same and paking her between the same and again. We haughed and als thought it was at her and I guess it was. So she got Uncle Death to order the routine temperatures taken rectally, which she know we hatch. We stopped laughing and she knocked off the retail temperatures. It was a kind of unspoken agreement. Case give her as worse time than every give her as worse time than every hot we have a served our laughing; it ill new as word our laughing; it ill new as

Poor Slop Chute couldn't do anything about his big, lopsided grin that was louder than a belly laugh. Muma give him a real bad time. She arthured the hell out of him.

He was coming along first rate, had another hemorrhage, and they started taking him to the clinic on a go-to-Jesus cart instead of in a chair. He was supposed to use ducks and a bedpan instead

of going to the head, but he saved it up and after lights out we used to help him walk to the head. That made his reflection in the chart wrong and got him in deeper with Uncle Death.

I talked to him a lot, mostly about Connie. He said he dreamed about her pretty often now.

"I figure it means I'm near

about her pretty often now.

"I figure it means I'm near
ready for the deep six, Charley."

"Figure you'll see Connie then?"

"No. Just hope I won't have to go on thinking about her then. I want it to be all night in and no

want it to be all night in and no reveille."

"Yeah," I said, "me too, What ever become of Connie?"

"I heard she ate poison right to after the Reds took over Shanghai. c. I wonder if she ever dreamed

about me?"

"I het she did, Slop Chute," I said, "She likely used to wake up

screaming and she ate the poison just to get rid of you." He put on his big grin.

as "You regret something too, Charley. You find it yet?"
"Well, maybe," I said. "Once

od on a stormy night at sen on the Black Hawk I had a chance to de push King Brody over the side. at I'm sorry now I didn't."

"Just come to you?"

"Hell, no, it como to me three days later when he give me a week's restriction in Tsingtao. I

"No. It'll smell you out, Charley. You wait." fled back to my bunk,

the days were longer. One night, Casey and Carnahan and me helped Slop Chute walk to the head. While he was there he had

Carnahan started for help but Casey got in the way and mo-

tioned him back and we knew We pulled Slop Chute's paiama top off and steadied him. He went

on bis knees in front of the bowl and the soft, bubbling cough went on for a long time. We kept flushing it. Casey opened the door and went out to keep away the nurse.

We cleaned him up and I put my him up. If Casey hadn't took half the load, we'd'a never got him

Codalmighty! I used to carry hundred-kilo sacks of cement like

We went back and cleaned up the head. I washed out the pajama top and draped it on the radiator. I was in a cold sweat and my face burned when I

Across the ward Casey was sitting like a statue beside Slop

Next day was Friday, because Pink Waldo made some crack they formed up for sick call. Mary gave Pink Waldo a cold look. That

Uncle Death seemed to see it because a gleam come into his wooden eyes. Both Waldoes listened all over Slop Chute and

told Uncle what they heard in their secret language. Uncle nodded, and Casey thumbed his nose at him. No doubt about it, the ways

was greased for Slop Chute. Mama Death come back soon as she could and began to loosen the chocks. She slobbered arthurs all over Slop Cbute and flittered around like women do when they extra special hell, and we all

laughed right out and she hardly That afternoon two orderlymasks come with a go-to-lesus cart and wanted to take Slop Chute to x-ray. Casey climbed on the cart and scowled at them.

Slop Chute told 'em shove off,

They got Mary and she told Slop Chute please go, it was doctor's orders.

Sorry, no, he said, "Please, for me, Slop Chute,"

she begged. She knows our right names -

noticed.

Slop Chute shook his head, and his big jaw bone stuck out.

Mary - she had to then - called Mama Death, Mama waddled in, and Casey spit in her mask.

"Now arthur, what is this, arthur, you know we want to help you get well and go home, arthur," she arthured at Slop Chute. "Be a good boy now, arthur, and

go along to the clinic." She motioned the orderlies to pick him up anyway. Casey hit one in the mask and Slop Chute growled, "Speer off, you bastards!"

Mama's little eyes squinted and she wiggled her hands at them.

"Let's not be naughty, arthur, Doctor knows best, arthur." The orderlies looked at Slop Chute and at each other. Casey wrapped his arms and less around Mama Death and began chewing on her neck. He seemed to mix

right into her, someway, and she broke and run out of the ward. She come right back, though, trailing Uncle Death, Casey met him at the door and beat hell out of him all the way to Slop Chute's bunk. Mama sent Mary for the chart, and Uncle Death studied

Slop Chute's reflection for a minute. He looked pale and swaved a little from Casey's beating, He turned toward Slop Chute

and breathed in deep and Casey was on him again, Casey wrapped his arms and legs around him and chewed at his mask with those big yellow teeth. Casey's hair bristled and his eyes were red as the flames of hell

Uncle Death staggered back across the ward and fetched up against Carnahan's bunk. The other masks were scared spitless. looking all around, kind of know-

Casey pulled away, and Uncle Death said maybe he was wrong, schedule it for tomorrow. All the masks left in a hurry except Mary. She went back to Slop Chute and

took his hand. "I'm sorry, Slop Chute," she whispered.

"Bless you, Connie," he said, and grinned. It was the last thing I ever heard him say.

Slop Chute went to sleep, and Cosey sat beside his bunk. He motioned me off when I wanted to help Slop Chute to the head after lights out. I turned in and went to sleep.

I don't know what woke me. like, but of course not making a sound. I could hear the others stirring and whispering in the

Then I heard a muffled noisethe bubbling cough again, and spitting. Slop Chute was having another hemorrhage and he had his head under the blankets to hide the sound. Carnahan started to get up. Casey waved him down, I saw a deeper shadow high in the dark over Slop Chute's bunk. It came down ever so gently and Casey would push it back up again. The muffled coughing went

on.

Casey bad a harder time pushing back the shadow. Finally he climbed on the bunk straddle of Slop Chute and kept a steady

push against it.

The blackness came down anyway, little by little, Casey strained and shifted his footing. I could heard him grunt and hear his

joints cruck.

I was breathing forced draft with my beart like to pull off its bed bolts. I heard other bedsprings creaking, Somebody across from me whimpered low, but it was sure never Slop Chute that

Casey went to his knees, his hands forced almost level with his head. He swung his head hek and forth and I saw his lips curled back from the big teeth elenched tight together. . . . Then he had the blackness on his shoulders like the weight of the whole world.

Casey went down on hands and knees with his back arched like a bridge. Almost I thought I heard him grunt . . . and he gained a little.

Then the blackness settled heavier, and I heard Casey's tendons pull out and his bones snap. Casey and Slop Chute disappeared under the blackness, and it over-

flowed from there over the whole bed . . and more . . and it seemed to fill the whole ward. It wasn't like going to sleep, but I don't know anything it was like.

The masks must've towed off Slop Chute's hulk in the night, because it was gone when I woke

So was Casey.

Casey didn't show up for sick call and I knew then how much he meant to me. With him around to fight back I didn't feel as dead as they wanted me to. Without him I felt deader than ever. I even almost liked Mama Death when

she charlsed me.

Mary came on duty that morning with a diamond on her third
finger and a brighter sparkle in
her eye. It was a little diamond,
but it was Curly Waldo's and it
kind of made up for Slop Chute.

I wished Casey was there to see it. He would've danced all around her and kissed her nice, the way he often did. Casey loved Mary.

It was Saturday, I know, because Mama Death come in and told some of us we could be wheeled to a special church horaw before breakfast next morning if we wanted. We said no thanks. But was a hell of a Saturday without Casey, Sharkey Brown said if for all of us—With Casey gone, this place is like a morrgue again. him up. "Sometimes I think I feel him stir, and then again I ain't sure,"

he said. "It beats hell where he's Going to sleep that night was as much like dving as it could be

for men already dead. Music from far off woke me up when it was just getting light. I was going to try to cork off again.

when I saw Carnahan was awake, "Casey's around somewhere," he whispered

around. "I don't see him." "I feel him," Carnahan said.

The others began to wake up

"He's around." and look around. It was like the

night Casey and Slop Chute went under. Then something moved in

the solarium.... He come in the ward slow and

bashful-like, jerking his head all around, with his eyes open wide, and looking scared we was going

to throw something at him. He stopped in the middle of the ward.

Casey looked at him sharp.

"Yea. Casev!" we all said, "Come aboard, you hairy old bastard!" Casey shook hands with himself

over his head and went into his dance. He grinned . . . and I swear

For the first time in my whole damn life I wanted to cry.



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Tired, run-down, miserable, unbappy? Do you suffer from a general and persistent feeling of imadequacy? Well, then, obviously you need a talking cate Obviously . . .

A Word to the Wise

by JOHN COLLIER

RECHAED WHITTERS REACH, INS MUE and carried his serviceable umbrella. When he looked in the glass he saw a face too simple ever to look old, and too wore ever to look young. Clowns have faces of this sort. His hair, wellstreaked with grey, looked as if it were a wig, or as if it bad been cut at home. "That," said he: "is the face of "That," said he: "is the face of

someone who has not got very far in life. Damn it, I bave hit the nail on the head! I am absolutely right, for nor have I. I have good judgment, you see, yet I have missed the bus on various important occasions."

This bothered him. He consulted the success books, which told him to analyze his past failures, and find out the true reason for them, in order to do better in the future.

This was a tremendous task. He

paced up and down the room, he scratched his head; he took his ears in his hands and sat down on the bed to concentrate. At last, as if by a flash of lightning, he saw the very heart of the matter. He sprang up: There is no doubt about it," he cried, "I should have made none of these sally mistakes. I should have done a thousand times better, I should bave been one of the greatest successes ever known, had I only had a cat that could talk.

"Such an animal would have advised me against that wretched gold mine. "It would have told me frankly

I could never do well with a hotel.
"It would bave cried 'Look out'l
or 'Beware!" or something, when
I brought that Colonel Rankin
home and introduced him to my
wife."

He found it a galling thought, to have missed fame and fortune for lack of a cat and a few words, in a world so abounding with both. But with the humble persistence of all wooden-faced men, he resolved to repair the defciency, and to make the most of the years that remained to him-He was not long in supplying himself with a cat, and was careful to choose one that pursed its lips shrewdly and regarded the world

through a round and owlish eye. "This," said he, "is the first step, and that is the one that counts. I look forward to the day when this promising cat shall utter the name of a race borse or a splendid investment, or tell me bow to discover a delightful young creature who will love a plain middle-

aged fellow like me. At this thought our friend could bardly contain himself for joy, which was well salted with imnationce. He gave his cat the best of everything, and talked to it at all hours, taking care to pronounce his words clearly. He bought a radio for its special benefit, and turned it on at the time of the stock market reports. The only trouble was, the cat re mained obstinately mute, which was a source of much mortification to our hero, and of infinite amusement to bis friends

"I have solved the major problem." he said. "I shall not allow myself to be defeated by a minor one. Let me see now: drink makes a man drunk, beef makes a man beefy, milk makes a man mild, I drink it, and I am mild: I am must feed this cat parrots, and that will make him talk like an

oracle. Besides, the toughness of these antique birds will strengthen bis jaws, and give him more command of all the muscles of his throat and mouth. One thing fits in with another: I'll be off to the hird market in the morn-

Next morning he was early at the bird market, and came home with a fine Mexican Yellowhead, whose neck he wrung, and plucked it, and made it into a tasty fricassee which his cat

licked up with relish Next day he obliged the animal

with a well-spoken Amazon Parrot, then with a fluent Panama, then a garrulous Lemon-crested Cockatoo, and on his birthday a magnificent Macaw, and so forth, all talented birds, capable of stopping a horse and van in full career, scaring burglars or embarrassing young men who called with bouquets. But they were done with all that when they fell into the hands of Mr. Whitiker.

The cat opened his mouth fast enough when the birds were set before him, but still kept shut at other times except for an occasional vawn. Meanwhile the cost of this diet was prodigious, Our

friend soon felt the strain. He denied himself everything, he grew very emaciated, his coat wore out at the elbows, his shoes let water at every step, his roof

leaked in a dozen places, and everything fell into decay. The

little children cried after him in the street as he hurried home from the bird market, fearful lest his cat should be uttering a few crisp words at the moment, and

he be missing them. At last there came a day when he was at the end of all his reture with nothing better than a love bird, while he himself dined on despair. On that very day, whether it was astonishment at sworn his cat emitted a low and

rather tuneless whistle. At once his hopes revived, and he cried. "It is beginning to take effect. I shall be rich! I shall be famous! I shall enjoy the emand with a thirty-five inch bust! I wonder if he will give me a tip or two about diet. After all, I

Nothing like striking while the iron is hot. Next morning our hero went out pawning and borrowing, and scraped together the the pride of the whole bird market, and, rushing home, he gave it to his cat raw, with the warmth of life still in it. He hoped by this means to insure that none

of its virtue should be lost. ity, blinked a little, wiped its chops with its paw, and raised its ishment and gratitude. Then turn-

ing them full on Richard Whitiker, it said in a clear and vigorous tone, "Look out!"

The good man clasped his

hands in an ecstasy. "He can speak!" he cried. "He can speak! And in what a delightful accent Soon he will utter the name of a winning horse, or of some stock destined to rise like a rocket. He a town, to such an hotel, and there I shall meet that ravishing creature, twenty-two years of age, and with a bust measurement of thirty-five. What a moment that

will be, when I first . . ." At this point, however, his neglected ceiling fell with a crash lifeless among the debris

"Now what the hell," said the cat, stepping daintily over his prostrate form. "What the hell is the good of feeding a cut parrots. to make it talk, if you take no notice of what it says to you?"

This cat subsequently took up its abode in the home of a Mrs. Straker, where it observed a good deal but thought the less said, the A no-quarter interstellar war, this, fought out in a quiet chapel, with Earth's champions a tired, middle-aged nun and a long-dead philosopher.

A Demon at Devotions

by JANE ROBERTS

MOTION SUPERIOR BURN OFF 1800 PROBABILITY TO THE MOST AND THE MOST AND

nerves on edge all week. Of course, the Bishop ueza urriving for the procession on Sunday. But that could hardly be the reasonhaving already been honored with the good Bishop's presence at Confirmation time for the past five years, she wan't apt to let his arrival at a plain procession bother her. Nonetheless, she had been out

of sorts . . . she couldn't remember ever being so nervous and jumpy before. She wasn't even saying the rosary properly. Either

her mind went too far ahead of her lips, or lagged behind, so that while her lips were still muttering the Glory Be, her mind was still on the last Hail Mary.

Maybe she'd feel better if she just sat back and relaxed for a moment. Her kness were tired and the vigil lights made her dizzy. Light then dark. Light then dark. What was that? Had she heard

something? What a curious feeling—like the time she'd passed out after a penicillin shot. Like bees in your head. Perhaps she was really sick. But the buzzing in her bead was forming words. Or was it? What was that? I am Alzhia ... Arzin? Was it Latin, Greek?

. . . Arzia? Was it Latin, Greek? There, she had heard it. I am Lord of something or other. It sounded like Alphiz.

Good heavens. Wasn't there a demon by that name? Horrified, ber eyes flew open. Paradise Lost. They were all listed there. Ashtaroth, Astarte, Orsiris . . no, sho was sure it began with an A. What on earth would she say if it was a demon? "Get thee behind me Satan," sounded terribly dramatie - but then, people aren't plagued by demons every day,

Of course it might very well be a vision. How could you really tell the difference? It was outrageous, really, the similarity between the names of angels and demons. Still. slie'd better kneel down and fold her bands just in case.

"Do you hear me? Can you un-

Well, that was plain enough. "Yes." she murmured weakly. Maybe she was a schizophrenic

"I am Lord of Alpha Seven." "You are wbo?" She had to whiener. The nuns would be

shocked if they heard voices speaking out loud in the chapel "I am the lord of Alpha Seven,

We have observed your planet and are coming to your assist-

Well this was a fine kettle of fish. Was he an angel or a devil? "I repeat, I am Lord of Alpha Seven. We are coming to your assistance We have carefully screened all the minority groups on your planet, and have finally chosen the nuns, since they are the most enslaved, and no other defender has arisen to agitate for their freedom."

The world was surely coming to an end for her, "Hail Mary full "Did you hear me?"

Did she hear him? How could she belp it? The voice sounded

"Yes. I hear you."

"The isolation of your existence the dark edifices in which you are imprisoned, the black elothing which your kind is forced to wear as a symbol of your status-all these things are known to us. Wo bave decided to take up your

cause as if it were our own. Was the chapel growing darker or was it her imagination? Surely

it was. She was being besteged by demons for her pride and sinfulness. Hadn't her confessor warned her against the sin of pride? And she had dared to think of visional

"Oh dear Lord..." "There is nothing to fear. Only

listen and follow my directions. See that? How it had twisted "Not you. I'm not praying to

you." She had to get herself under control. Obviously the voice was her pagan id. The only thing to do was listen and pray for guidance. Perhans God would show her the way. But how on earth did you convince your own subconscious of its error?

The voice was impatient now. "Do you understand? This is a momentous oceasion. I am the

The lord Did be think ... did it think it was ... "Do you mean to say you're trying to tell me you're God?" She might as well know the worst right away.

know the worst right away.

"To all intents and purposes,
was I am."

"You're convinced?" This was

ridiculous--her id must have a god complex.

The time I have allotted for this interview does not fooduse this interview does not fooduse it is any interrogation I will initiate its any interrogation I will initiate its within my power to annihilate your whole plante. I can easily your whole plante. I can easily your whole plante. I can easily control if without the satisfance control if without the satisfance are logical, and it is logical that we invade your planet since you are defenseless and weaker than ourselves. Abused minority groups undiscensable, and your innertin.

nent attitude is not to your advantage."
"But I need time..." It was foolish not to denounce the voice

install you as proxy rulers of your

planet-if not you will be treated as any subjugated people. What is your decision?"

if only she weren't so confused. "There are some things I don't understand. Will you answer me if I ask some questions?"

"I approve your discretion. It is always safer to have a full picture. But speak quickly."

But speak quickly."

"Are you infinite? Do you have

"Of course I have a beginning. My life span is immeasurably

longer than your own, but in many respects our species are much alike. There is no reason to fear our alienness."
"But you aren't infinite?"
"No. I am not."

Oh God bless St. Aquinas.
"Then you are not God."
"You are in no position to doubt

my authority."
"Well you don't have to snap at
me. For that matter, I don't like

your tone either. And furthermore, we nothings, as you call us, are 'imprisoned' in our convents by our own will, and our habits distinguish us from all others as being the handmaidens of the true Cod." There had to be an end to this sometime. And there wasn't any use in taking impertinence

from her own unconscious.
"Your diplomacy is most clever.
I congratulate you. The data I re-

congratulate you. The data I received on your group was incorrect, I gather. It is not often I am caught unaware. . . . But how do I know what you say is true, and not, forgive me, the fabrications of a crafty mind to avoid destruction? You say you are the emissary of another planetary lord, and not merely the leader of a

and not merely the leader of a subjugated minority?" Well it was true wasn't it?

"Yes." ex "Can you prove it?" th "Yes. First of all, the God I fol-fin

low is the only God, and His existence is self-evident—" "Self-evident? I rather enjoy

this match of wits. Power brings its Joncliness and no one dares converse with me on these terms on my own planet. Nevertheless your logic is ridiculously childtab. as I should have expected. It is true that my existence is self-evident, sinc I am speaking to you, but surely the thausfering voice of your own god is suspiciously silent? I say that three is no auch god, so his existence is no auch god, so his existence

"If you're not worried about it, then why are you wasting your time talking, while your forces are are supposedly only waiting your word to destroy me?" There. That retort should quiet him some. But of course if it was her

"It amuses me. And I wonder why you are so unconcerned about the fate of your planet; you seen oddly unafraid of arousing my displeasure, though the future of your race is utterfuy dependent upon my wish. Were I not suspicious of your motives, the invasion would already be under

vasion would already be und way."

"My God will defend me."
"Your god! Creature! Where is he? You say he is self-evident-certainly not to me. But if so, his existence can be demonstrated through his effects, but effects are finite and cannot be attributed to an infinite being. Yet you say he

is infinite. So he cannot be demonstrated at all."

After all, this was too much.
"Very well, then, begin your invasion. But let me tell you that God stands guard over our minds

and spirits and will not permit harm to come to us."

"He will not? Then refute my argument."

"Did you think I couldn't? First of all, when an effect is better

Innova than its cause, we proceed from an effect to the cause itself; and since every effect depends upon its cause, if the effect exists, the cause exists. Therefore the existence of God is proposed through those effects with which we are familiar." God help her, its wars Aquinns almost word for

"Effects? I don't admit of any.

If your God's effects are so far
reaching, surely he is here on
Alpha Seven? Well I assure you
he is not. Pretenders are not dealt
with kindly here."

"He certainly is on Alpha, or

wherever it is you are. But your eyes are clouded by ignorance so that you are not aware of His presence. Haven't you any religion at all? Haven't you any idea how you came into being in the

first place?"
"Of course not. The wise are concerned only with things that are. To confuse the brain with how the process began is only

ow the pr

"Listen, do we agree that motion is the reduction of something from potentiality to actual-

"Creature, your persistence tires me. However - yes. So far I

agree."
"Splendid. Now you must admit that nothing can be reduced from potentiality to actuality except by something already in a state of

being. Whatever is moved must be moved by another. This is the prime mover, or God."

"I see.... Do you know, if your

story were more believable, I would never believe it. I tend to feel, though, that it is too unbelievable to be fabricated – particularly by one of your species. Its real beauty lies in its very lack

of proof—the only way to test its validity is to begin the invasion, which, if you are correct, would be to invite disaster. Where can I contact this god?"

"There isn't any need to. He

"Oh, no!" Mother Superior shook her head vigorously. But the voice was silent.

Some time when she was less tired, she must attempt to decipher that invasion symbolism. Now, grateful for quiet and the end of her, she must believe, deserved ordeal, she dipped her finger daintily in the holy water font, and genuffected with strengthened humility.

Recommended Reading

by ANTHONY BOUCHER

You've EXPECT, I SHOULD THINK, IN find more unflawed gens in an anthology, theoretically containing the best work of a number of writers, than in a collection by a single author; but so far this year the single-author collections seem to have it over the authologies (with both groups markedly surpassing the average of book-length novels).

months by Bester, Clarke and del Rev. we now come happily to William Tenn's TIME IN ADVANCE (Bantam, 35¢). Here are two long novellas-Firewater (Astounding, 1952) and Winthrop Was Stubborn (Galaxy, 1957)-which may serve as models absolute of extrapolative wit and insight, plus two shorter novelets of almost comparable quality. It's the most characteristic and consistent of Tenn's 3 collections to date . . . and when is the man going to brighten our days with the fullscale novel he's so obviously cap-

Charles Beaumont's YONDER (Bantam, 35¢) may seem (to me and probably to you) better than

and probably to you) better than last year's THE HUNGER because it's all-fantasy (including what one ing surveys of magazines by their

calls sf.) rather than an unpatterned mixture of types. It's also a more even volume, with fewer lapses in taste or judgment. There are 18 stories here (4 from these pages), variously grotesque, sensitive, funny, horrible—in short, Beaumontesque, and strongly recommended. (And a special award to Bantam for the most tastfelily infectious jacket copy of the

Gerald Kersh's ON AN ODD NOTE (Ballantine, 359) is indeed an odd one. Subtitled "science fiction stories," it contains, out of 13 stories, just 3 that might fit the most liberal definition of s.f.; two

of those are fully bad, and the third (The Bighton Monter) is an all but faultless classic. The other 10 items include a fine detective story (The Creuel Needle), fantasies of variable quality "straight" fiction . . . And yet for all of this seening chaos, the book is unified by the ever-capity-sting of the seening chaos, the book is unified by the ever-capity-sting (and often does) write a trite or inept story; but he is incapable of writing a dull sentence. edited by H. L. Gold (Doubleday, \$3.95), and THE SECOND WORLD OF IF, edited by James L. Quinn and Eve Wulff (Quinn,

Kingston, N. Y. 50e) The first GALAXY BEADER covered I year of the manazine, the second 2 years, and this third 4. Mathematically-minded readers may lean to the dire conclusion that the next volume will not appear for another 8 years (or possibly only 7); but I believe that the Galaxy anthologies are now to appear on an annual basis, like those from It and FASF. Which is as it should be-even though I'm not sure that Mr. Gold the anthologist does full justice to Mr. Gold the magazine editor. I'm baffled as to why he restricts himself here to short stories, without a sample of he omits some of Galaxu's best such as Sturgeon and Tenn: or why (with the contents of 48 issues to choose from) 4 of the 15 stories should be already available in book form. But at least he has with a change in publishers, been freed of the compulsion to get as many words as possible into Gargantuan hargain-book: now he presents a tasteful selection of readable size, highlighted by such authors as Isaac Asimov, Wyman Guin, Damon Knight, Fritz Leiber, William Morrison and Evelyn E.

The If anthology is, if anything, even more enjoyable - especially since it comes from a magazine which has not been extensively anthologized, nor laheled an "aristocrat of s.f." The anthologists, who have overlooked all 9 of these longish stories, have been missing some good bets: a plausible and biting Philip K. Dick satire, for instance, or a fantastically claborate time-cum-sey-paradox by Charles L. Fontenay, Gordon Dickson and Robert F. Young do nicely too; and the whole collection is gratifyingly free of that needless verbosity which marks (and mars) most magazines that pay by the word. (It's interesting to note that a Beaumont story appears here at 7300 words . . . and at 9700 in the Beaumont collec-

Anthologies, after dwindling close to the vanishing point in fashion: and the most welcome aspect of this mode is the return of veteran anthologist Groff Conklin, with THE CRAVEVARD BEADER (Ballantine, 35¢). This is not s.f. nor even entirely fantasy, but rather an exhibition of macabre and ghoulish delights. Here you'll find (if your mind is resolute and your stomach strong) such pleaspublished dazzler by Theodore Sturgeon and a strange "lost" Fitz-along with comparable items by Bierce and others, most of them sure to be new to you.

One of the year's most entertaining collections is not of short fietion but of factual articles: Isaac Asimov's ONLY A TRILLION (Abelard-Schumann, \$3.50), If you recall I Feel It In My Bones (F&SF, December, 1957) or his regular column in Venture, you know the all but unique clarity and cogency with which Asimov can explain scientific problems. In these 13 pieces (almost all from Astounding, 1948-57), he ranges from the nature of large numbers to the molecular structure of hemoglobin to the atmosphere of other planets to the endochronic properties of resublimated thiotimoline (a discovery in itself sufficient to render immortal the name of Asimovand you'll keep finding that "hard" subjects have a way of becoming pellucidly easy when expounded

46 of his short newspaper pieces SPACE (Signet Key, 35¢)-an excellent book for the wholly uninformed layman, but a little rudimentary for most regular readers

the reissue of THE CONQUEST OF ing, painting and most especially bookmaking, unmatched among the non-fiction of our field. The text has been somewhat updated in this 9th printing, and (surprisingly) some of the colors have been changed; if you own the original edition, you can spend happy hours trying to decide which coloration you like better. Ley is also on the stands with

an admirable introduction, at once scholarly and highly readable, to Jules Verne's 1865-70 twopart novel, FROM THE EARTH TO THE MOON-AND A TRIP AROUND IT (Crest, 35¢). The same text, which despite its flaws in facts, is also available (without Ley) in hard

of A. Sternfeld's INTERPLANICIARY St., N. Y. 11, 50¢): "One year after the take-off [on the first orbital flight to Mars1 the space-ship will jectory, at a distance of 2,175 lightyears from the Earth."

rade in the ulitsa, reasonably clear

Thus we the day in which views folion interior come tree before you can print their, and I have a supplient had this marrier may be a case in point. Certainly something immage it happening to the eleverity market. It bears mouth inter I could feel any may give, and how it is a more seen to attempt a perfect wave believed with the moderate of the highest part trengthen the more attempts appear of Dispression for Mexico the American which this limit at the darket reasons behind but hammadale thorough and the product of the contraction of the

Poet in Residence

by WILLARD MARSH

Smythe had the world in his palajed palm. As chairman of the gantic, barely legal network of holding corporations, he was possibly the planet's foremost tycoon, From the young man cornering up to his present pinnacle of success, he'd driven himself ruthlessly, seven days a week, begrudging rest and spurning recreation. champagne suppers with exotic actresses, the dynasty he'd hoped to found-all had passed him by. It the fruits of victory to be had for the whistling, and he was simply too damn old to pucker.

"Intolerable!" Lionel slammed his fist on his tray, upsetting it. Milk and crackers made a soggy mixture on the bedelothes. "Cavendish!" he shouted. The butler instantly appeared.

"You called, sir?"

"Clean up this mess," Lionel snapped, "and shut off that silly

"But you always enjoy Tallulah with your dinner, sir." "I'm through with substitutes.

Lionel's chief of research was at his North Dallas estate. It wasn't o merely in North Dallas, it was North Dallas. That was an example of the salary be was getting, and Lionel decided to see if he was

"Wasserman? Smythe

What are you working on these

days?"
"Why, that ersatz sawdust project, Skipper. You know, for our chain of useudo-Colonial taverns."

Wasserman said foggily. Enviously, Lionel heard the babble of a party in the background. "Whatever it is, I want it

"Whatever it is, I want it dropped," he said. "I have a new project. A crash program, requiring full-scale facilities and personnel. I want a new body."

"Yes, sir. That shouldn't be too dif-a new what?"

"You heard me. Body. B-O-D-Y. I can't use the one I've got," Lionel said irritably, "so get me a new one. I don't care where or how."

"B-but we can't just build one—"
"Then get me someone else's.
You'll be able to work out the technicalities, Dr. Wasserman,"

technicatities, Dr. Wasserman, Lionel said silkily. "Or else." He hung up impatiently. The lack of imagination in the scientific mind was appalling.

The butler coughed discreetly. "Shall I have your milk warmed, sir?"

"No, curse you! Bring me a siz-

zling filet mignon!"
"But sir-in your condition?
What would you do with it?"

What would you do with it?"

Lionel glared at him. "I can
watch it, can't !?"

Less than a month later, the harassed Wasserman could report that a breakthrough had been achieved. The successful exchange of psychic components on a sub-human level was now possible. Bundled in his wheel chair and personally eccored by his chief of research, Lionel rolled through the vast expanse of neese were being erected daily to house the auxiliary laboratories that kept arriving on his private railway spur. There were batteries of flood-lights to permit work on a rouad-the-clock basis, and sunably erews have been proposed to the proposed proposed

grim satisfaction, noting that the precious dwindling time remaining to him wasn't being squanderd. They came now into a large amphitheater bustling with white-

smocked scientists and lab technicians (all lured from venerable institutions, both here and abroad, by fabulous bonuses). A table was set up in the center, and in the foreground of a litter of equipment were three cages. "Rattus norvegicus." Wasserman

said fondly. "White rats, Skipper.
The one in the middle's a female.
One to the left there is a male, a
healthy adolescent her own age.
Randy little bugger, in't he?" he
chuckled. "The poor old devil on
the right is a complete senile week.
Just about as far along in his dotage

Just about as far along in his dotage as"— he glanced at Lionel sidewise—"as a rat can get." All this was abundantly evident to the eye. In a tireless rage of frustration the younger male was clawing at the wire that separated him hush filled the arena as the preparations were complete. Gloved technicians reached into the end cases to put both male rats to sleen with syringes. Others quickly took over, fitting delicate platinum skull cans onto the drugged rodents. These were connected by wires to some bulky mechanism that was partially screened from sight. Then a biochemist whom Lionel remembered as last year's Nobel Prize winner came forward. He carefully checked the connections, paused dramatically and threw the master

There was a crackle of hidden energy. Both rats stiffened, their limbs moving oddly in unison. White-coated figures blurred the disconnect the fittings. When the view was clear again, both rate

were conscious The decrepit-looking specimen on the right stared around him, obviously disoriented. Then catching sight of the female he started tobody refused to obey his youthful him only partway across the cage useless body he'd been so monstrougly imprisoned in. He began shivering. Then his eyes grew bright with terror as he quietly

Meanwhile the younger-looking male's agonishment, though less his sleek pelt, flexed his miraculously new legs, drew a deep breath hegan cicling the case as if he too had lost his mind. Soon he was leaning at the female with redoubled frenzy, an old rat's memories of sex given sudden ability to

There'd been follow-up tests, of course, to make sure the exchange of rodent personalities had been complete. By the time the experiments had proceeded to the higher vertebrates it was much easier to determine. The hoary maxim that you can't teach an old dog new tricks was thoroughly refuted when Wasserman's lab crew simply inserted an old dog in a young dog's body. And when the oldest gorilla in captivity (obtained when Lionel foreclosed the Lincoln Park Zoo) awoke to find himself inhabiting the framework of his grandson, Project Bodysnatch was pro-

nounced to be completely feasible. Instantly, Lionel's publicity organization swung into action. The remaining slum areas of the coundives were discreetly sifted by agents of Smythe Enterprises, in hopes of discovering a healths young pauper who would be willmillionaire who, if not quite at death's door, was certainly in

tion, Lionel reserved the final screening of the down-and-outers fit were never sufficiently desperate. body they were to inherit was revealed to them, they invariably balked. In extreme humiliation Lionel had let himself be poked and prodded, like some horse of dubious value, by a succession of all to no avail. Futile weeks succeeded one another, compounding closed-circuit scanner, seeing the erry and enjoy a mate two genera-

tions younger than itself. Finally one dusk, just as he had pic and was preparing to retire, the butler appeared with still another of the seedy young men sight of this specimen, a hope long frozen in Lionel's chest began to thaw. Greedily he inspected the gaunt, melancholy figure-trying it on for size, so to speak. The moment they were alone the caller produced an envelope from the pocket of his threadbare jacket. "My documents, sir," he said in a sad, defeated voice, "I believe

you'll find them in order." Hastily breaking the scal, Lionel read the application form. Name,

to advertisement in the Friday Review, had been processed by medical staff and, aside from apparently prolonged malnutrition, found physically adequate.

Lionel glanced up, concealing his satisfied if you are, Hackley, You've, ah, been given a general briefing on the, ah, arrangement?" The poet's smile grew even sad-

der. "As I understand it, in exchange for my body I am to be

"Well, not quite all of them," Lionel said with false beartiness. "I thought I'd hold out a million or two to help launch me on my new career. There'll still be a few dozen million left over for yourself. Enough to keep a boy your age quite tidily, I should think."

Hackley surveyed him calmly, "Tell me, Mr. Smythe: if I were to walk out of here right now, would you give me a million dol-

"Then I see no reason why I should give you any such sum either, when you walk out of here. After all, if I'm going to use your body I may as well start using its

Lionel couldn't help chuckling only pur it to some better use. It shouldn't be too difficult to outmancuver him, however,

"I think you'll find them somewhat more profitable than a poet's

principles."

"Could it be otherwise?" Hackley said bitterly, "In a world deafened by hucksters and Philistines, how can the lone unfettered voice of beauty make itself heard?" He scowled at Lionel. "That's wby I've chosen to surrender my mortal shell for your wealth. By doing so, I shall be able to place my collected

verse before the public it deserves." "My advance congratulations." Lionel said dryly, "Be sure to send me a copy so I can autograph it for you." Hackley gave him a withering

look, "Just to forestall any chicanery on your part, I'll want an independent firm of accountants to go over your books before we make the exchange."

Lionel blanched, seeing bis ace in the hole exposed. "Why, you young puppy!" He brandished his stout

"Come, now. You wouldn't want to do anything that might leave

bruises on us." He subsided, fuming. The whip-

persnapper clearly bad him by the short hairs. Then Lionel consoled himself by remembering that, no matter how insolvent he might be,

It was a long, cruel night. The outside accountants Lionel had lessly efficient in squelching any Throughout the grueling session he'd watched Hackley gorge himself on the choicest items that the kitchen could prepare. It was the last square meal he'd ever have, of course, but Lionel hoped in wouldn't give him heartburn. By morning, the overworked lab crew had completed arrangements for the transformation. In a daze of exhaustion. Lionel was wheeled to the operating arena and placed beneath the arc lamp where he'd first seen a senile white rat's virility so dramatically restored. He sighed in

anticipation-then suddenly sat upright, dislodging his metallic skull cap. "You do like girls?" he asked the poet anxiously

From the adjacent table, Hackley smiled so forlornly and nostalgically that Lionel was completely He lay back, saw Dr. Wasser-

man's concerned face beyond the ring of bustling scientists, winked at him and closed his eyes. There was a moment of dead silence. Then a blinding flash seared his skull and he blacked out.

Waking seemed instantaneous,

with nothing having intervened. Lionel sat up and faced the grave assembly, thinking the experiment had failed. Then he belched, healthily and heartily, and the longlost taste of lobster thermidor was in his nostrils. He held his young, unwrinkled hands out, flewed the supple fingers, swayed dizzily in relief and hopped down from the

table, sixty years lighter.
"It worked!" he cried. "Wasserman, do you hear? It worked!" Wasserman nodded coolly at

him, then turned back solicitously to the repulsive old man being helped into his wheel chair.

"Is there anything I can get

you, Skipper?" he asked.
As if in some nightmare that
he'd finally wakened from, Lionel

he'd inaily wakened trem, Lioone saw the former mirror image of himself shake his head weartly. The entourage around the wheel chair began moving off and Lionel followed them in confusion. Moving cautiously on his unfamiliar new legs, he fell behind. By the time he got back to the main house that he was not the confusion of the

"... get hold of Bennett Cerf, and ask how much he'll take for Random House." He hung up and frowned at Lionel. "Make it quick, Hackley. I'm busy."

Hackley. I'm busy."

Lionel stiffened in outrage. "Now see here. Hackley..."

But the grotesque old man behind the desk shrugged and punched a buzzer. Instantly the butler appeared. "Toss this crumb out on his ear, will you. Cavendish?"

"A distinct pleasure, sir."
Lionel had never realized Cavendish's strength. It was better than his aim, however, since it wasn't his ear Lionel landed on. He picked himself up as the front door slammed. Turning his pockets inside out, he discovered nothing but an empty match folder. Inside it

was inscribed a poem:

When a rhymester is left with a broken lyre, In need of protein to stoke his

fire
Then perforce he must don
an old boar's tarso

For the gutter's cruel, but the grave is more so. It was signed with Hackley's initials: UGH. Those were Lionel's

precise sentiments.

It was a relentlent, declicated year that followed. The average man in Lionet's somewhat unique position would have lacked his training that the sentiment of the sentiment

himself that same age all over again, but with sixty additional years of shrewdness, the decision had been automatic. He'd worked night and day to amass another fortune, knowing that a year's austerity was a negligible price to pay for a life of unlimited indulgence

to follow. Inadvertently, Hackley had been of immense help to him. Shortly civilly from his own door, a new Modern Library book came out. It G. Hackley. (It had no initial sale whatsoever, until financial backing from some mysterious source enabled book dealers to give away a set of the complete works of Krafft-Ebing with each copy purchased; after which it achieved unprecedented success, despite a number of unkind reviews.) By then Lionel firm. When it became known to his superiors that he was the eccentric poet Hackley, they philosophi-In their amused condescension toward Lionel they made their fatal mistake. Two weeks later, by a deft manipulation of the books, Lionel had the company in his pocket,

Quickly he merged it with a rival firm, milked its assets to buy still another, and thus produced a bottleneck in one small, strategic part. Detroit was forced to come to Lionel, and his price was a certain

innocent-looking block of stock. Again, thinking they were dealing with a lucky but unbusinesslike artist, the board of directors underestimated Lionel and after that it had been a shoo-in...

Yes, it had been quite a year, Lionel gloated, watching the downtown traffic on Woodward Avenue from his suite high atop the Cadillac Building. Here he was, the thirty-year-old talk of Wall Street and the target of a dozen raging, helpless congressional investigating committees. By a masterstroke of psychology he had become the greatest monopolist of modern times. Not in anything so complex as the automotive industry, however, where he'd begun his original parlay. Instead, completely crossing quietly plowing back his entire capital into cornering the world But once the news broke that it was in such short supply the housewives of the land, predictably enough, were suddenly frantic for chervil. Cleaning out the last remaining sources of it, they drove its price to an astronomical high. Tomorrow the senate would be voting on a new amendment to the anti-trust statutes-just twenty-four hours too

late, Lionel thought smugly. He flipped the toggle of his intercom box. "Miss Goldenpratt? Bring me the latest quotations on Chervil Limited,"

A ravishing blonde of tighth

A ravishing blonde of tightly packaged proportions swiveled in a length of ticker tane dangling

from her arm.

"Here y'are, Mr. H.," she said huskily. Lionel took the tape from her,

discovering that the price had now leaped to five dollars a gram. A thousand grams in a kilo, he thought lavishly, and approxim-

thought lavishly, and approximately a quarter million kilos in his bulging warehouses . . . "Put me through to my brokers."

he told the blonde. "I've decided to sell out and retire."
"Retire, Mr. H.?" The blonde's

cyes widened. "That mean I'll ha to find a new job?"

"You got a new job. You're going to be the hostess on my yacht."
"I like yachts," the blonde con-

"I like yachts," the blonde confessed shyly.

"I have a hunch I will too,"
Lionel said, "In fact, I think I'll

have a fleet of them."

Along with a fleet of hostesses, he decided. After the monk-like existence of this past year, his clam-

existence of this past year, his clamoring youthful body was now about to have every reward he could arrange for it.

"In fact." Lionel said bluntly. "I

"In fact," Lionel said bluntly, "I see no point for us to wait until I buy that yacht."

"Oh Mr. H.," the blonde breathed, "you put things so poetically. Just like in that book of yours. How can a girl resist?" "Ulysses!"
"Mr. Hackley, sir!"

They turned to face the third

voice. It belonged to Lionel's confidential secretary who had burst into the room. "Smythe Enterprises is flooding the market with a new chervill"

he gasped. "The ladies are wild about it. They say it tastes much subtler than the old kind!" Lionel leaned against his desk for support. "Get hold of yourself,

support. "Get hold of yourself, man," he said shakily. "It's just some cheap synthetic the old bastard dreamed up."

some cheap synthetic the old bastard dreamed up."

"Precisely, sir! It's the ersatz sawdust they were using in their chain

of pseudo-Colonial taverns. They have boxcars of it!" the secretary babbled. "Chervil, Limited has dropped to zero and you're wiped out!"

"Gloria," he said weakly, "you're all I have left. . . . "

"Get your clammy lunchhooks off me, Buster," the blonde said. "I got other fish to fry." She switched

toward the door, gave him a last glance over her milky shoulder. "Don't take any wooden sawdust." Brutal as the year of youth had

Brutal as the year of youth had been, the interval that followed it was even worse. There was no one mad enough to hire Lionel for any ick at any price. They all seconds to firel, somehow, that if they did they'd lose their shirts to him. For awhile he was kept alive by the charity of a bohemian circle that knew him from he old days, be knew him from he old days, be by descending to the sorded world of commerce. But even this silm stopgap was withdrawn when, by daily shawing and other questionable practices, he failed to maintain the practices, he failed to maintain all the control of the control of a port. At last one drizzly exeming, rummaging through a garbage can the neighb

tealized he was finished.
It was a long walk out to the
old mansion, and the sight of it, so
rich with associations, was punishing indeed. Dashing a tear from
his cheek, Lionel resolutely rang
the bell. Cavendish appeared, a
wicked gleam of recognition in

"I, uh, I'd like to see Hack—I mean Smythe," Lionel faltered. "Mr. Smythe. However, I doubt if master is receiving this late. Whom shall I announce?"

Swallowing the last of his pride, Lionel muttered, "Hackley." "Hackley?" the butler said blandly. "Oh yes, the capitalist poer, Mas-

ly. "Oh yes, the capitalist poet. Master is an avid tollower of your work. I can't say I share his enthussasm. Wait here."

The door closed, and Lionel huddled in the rain till Cavendish returned to usher him into the li-

brary. Hackley waited in the wheel chair with an euigmatic smile. Lionel was shocked at the appearance of his former self; it had aged so. Good thing I got out of it in time, he thought automatically, till he remembered the purpose of his

visit.
"Could I have my body back?"
he said wistfully. "That is, if you're
done with it? There's no place else
that I can go, and I'd sort of like
to end my days in a familiar, uh,

outlook.

Hackley craned his head like an arthritic turde. "The trade would have a certain appeal," he admitted in a rasping, ancient voice, "I confess it's grown somewhat monotonous, being exclusively confined to a life of the mind. What would be your terms?"

"Any terms at all," Lionel blurted, with the impetuosity of youth.

"Hmm. You realize I'd be just as much an outcast of society as you are. That's a considerable sacrifice to make. What could possibly com-

pensate me for it?"

"I'll make you my sole heir,"
Lionel said desperately. "After all,
I ean't live too much longer."

Hackley's eyes dropped to his skeletal knees. "That seems an accurate enough prediction," he said dryly. He sighed. "Very well, I'll have a will drawn making you my sole heir. Not to be effective till the date of transfer, parurally."

"Naturally. You wouldn't care to

have mortality hastened by any, ah, outside assistance," Lionel said, calmer now. "Anymore than I should. Therefore, I'll have to inplace. And furthermore, it'll have to stipulate that if Smythe's death occurs from anything other than natural causes, the entire estate will be used to found a Society for the

Hackley smiled in surrender and pulled the bell rope. The butler

"Get me my attorneys," he said, "and send for Dr. Wasserman, Ob. and Cavendish-see that the guest suite is arranged for this young man here."

The butler hesitated, then turned to Lionel, bowing. "A distinct pleasure, sir. Apparently the shoe is on the other foot now, eh?" "You're damn tootin'." Lionel said in savage relish.

At the age of ninety, Lionel Smythe was ready to reenter himself. It looked to be a cheerless homecoming, for under the operating arena's arc lamp his old body lay exposed in all its creaking fraillessly as if in distress, and the ly. There was a film of perspiration on the forehead, the hands were clenched. It would seem that Lionel's body was in the grip of some strong and painful emotion glance of affectionate contempt and stretched out on the adjacent table Dr. Wasserman fitted the metal skull cap on him, making no at-

tempt to be gentle. "Hurry it up, man!" Hackley gasped, his impatience evidently

Wasserman threw the switch. There was a blinding midnight

Lionel woke, and instantly his universe was filled with agony. He clutched his distended belly with his crabbed and withered hands as Wasserman's face loomed anxiously above him.

He tried to speak, to ery out for a stomach pump-for in the mingling tastes that clogged his throat he could distinguish, entree upon entree, the enormous banquet Hackley must have ordered and, somehow, gorged down immediately before the operation.

Drowning in a fiery sea of parthydrate, Lionel's lips moved in a last appeal for help. But all that came out was a feeble belch, perfumed with the delicate flavor of

Wright Morris won the 1957 National Book Award for bis highly regarded news ("HE WELO OF VASON, Here, he wint our hearts and warms them mighilly with his portrait of a gabby, prying, coffeecad grag mailman who offers unsettling opinions about what news is fit to read.".

The Word From Space

by WRIGHT MORRIS

WHAT REASSURED ME WAS HOW normal everything looked. In the house, as in the yard, as in the memorable seenes of my childhood, a stillness reigned that would be followed by the sound of rain pulling dust in the road But nothing followed. The stillness reigned, but nothing else, A to rise at my back and go out of the room I stood in-made a noise at the window, then scattered the leaves I had piled in the yard But even that was reassuring Scattered is how our leaves usually look. They were there, where the wind had blown them, and the rake was there, where I had left it. That becalmed moment, that still point, that sudden dampness on the forehead had just been, as we say, one of those things. Through the window that I faced all seemed right with the

I got dressed, then I walked through the house to the carport door, where the eat would be waiting, but pressed against the door was a man who came in like a draft when I yanked it open. A know, but one of those men whom neither wind nor rain, snow nor sleet, will obstruct in the nerformance of his duty. A little kink in the Budget might do it, but nothing else. This one looked a little small for the size of the bag he had on his back. But he had a mailman's friendly expression, the badge and key chain I've always envied, along with the hook-andeve shoes a good mailman likes

"Hil" he said, "here's your Xmas seals!" and stuffed a letter full of them into my hand. I didn't brighten up at that, so he added, "Only twenty-one days till Xmas" (he pronounced it exx-

 \odot 1958 by Wright Morris; originally titled "The Word from Space"

muss), "ain't that about right?" "I've not counted them lately," I replied, "but it sounds about

these friendly types who would talk your leg off if you gave him a chance, "Well, it's another fine day." I said, and reached for the

mail he had put in my box. "fust wait'll you see that mail," He was right. There were three

he barked, "and you'll change your mind."

or four pieces of fourth-class mail, an airmail from Chicago with a new penny in the window, and two first-class appeals for money containing the little books you have to mail back to them.

"You should complain!" he said, although I badn't bad time to. "All you have to do is get it. I got to carry it around." He shifted his pack to the other shoulder. the latest runaround we got from Headquarters? Holy smoke, you

should be a mailman! "If you'll excuse me," I said. "I'm just about to make my cof-

"Coffee!" he barked. "You're making fresh coff-ce?" I started to reply, but be put a finger to his what I told Headquarters?" he about a coff-ce-break for the mailman? All this rain, snow, wind, and sleet talk is o-kay, but how's

"What did they say? You think they ever say? They don't say, you

All the guilt feelings I have in

not having to be a mailman were on his side. "If you'd like just a

the morning." "Just so long as it's a break," he

said, "you know what I mean?" and stepped into the kitchen, dropped his bag with a thud. Our kitchen is a pleasant sunny room in the morning, full of some things that match, and some that don't. One of the things that doesn't match is the cat's food dish, of green plastic, It doesn't match, it's hard to clean, but it's his dish. The mailman's eve lit on the dish. "What's that?"

"The cat-dish," I replied. "The cat's what?" "His dish." He stared at me in

the way the cat does when we put down something we cat, but he won't. "We have a cat," I said. calmly, "and that's his dish." "A cat-dish," he replied. "Can

nut on the coffee water. To indicate how I felt I put on less water than usual. "I hope you like it

black." I said, "I baye no cream," "No cream? Imagine, Well, just so long as it's hot. What I can't stand is lukewarm coffee."

bigger than he was I could even write to his Headquarters and complain about him. But I had the feeling—hard to explain—that he had something on me. I heard him pull up a chair to the table, dust the cat hair from the seat, then take the morning paper and alip off the rubber band. Out the corner of my eye I noticed his Big. The laws and I had I don't be mean to say I hadri seen almost mean to say I hadri seen almost

This your paper?" he said,

opening it up.
"Yup," I said, pointedly, "but I

haven't had a chance this mornin to look at it."

a thumb on the tip of his tongue, leaving a spot like you find beneath a bandage, then he left his tongue tip between his lips where it would be handy later. "All the news that's fit to print, eh?" ho said. "How about that?"

He didn't mean he wanted to know. It was just one of his asides to himself. I glanced at him, and he read the headlines:

CARTINO IN CITY

"Who's Maffia?" he asked.

"The Maffia," I said, dusting off what I remembered, "are one of these underworld organizations. They run the gangster world. They got a finger into garbage now, I guess."

"Can you beat it!" he said. "You eall that fit to print?" as if I had just printed it.

"There's a lot of dough in garbage these days," I said, "and if there's dough in it, it's news. If

if there's dough in it, it's news. If there's a lot of dough to it, it's news fit to print."

"Well, I never," he said, and his

"Well, I never," he said, and his tongue flicked in and out like a sand viper. "Now what do you think of that?" he said. "Now what do you think of that?"

He wasn't asking me, really, but since I was curious I asked him. "What do you think of what?"

"A dog," he said. "A dog in a satellite."

satellite."

I leaned over his shoulder to see for myself, and there, sure enough, was the original picture of her—Laika, the Russian space

dog. The dog was lying in its space compartment, blinking. I suppose, in the light from the flash bulbs. She looked reasonably well pleased. "That's news for you," I said,

"but it's not fit for some people. The SPCA didn't like it a bit." "Who's the SPCA?"

"Who's the SPCA?"
"I'll admit that surprised me, coming from a mailman. In the

line of duty they often have to kick some mutts in the teeth. "It's a society," I said, "for the prevention of cruelty to animals."

"Ho, hol" he laughed. "You

"What's so funny about it? You've certainly heard of a dog's

life?" He had, "Well." I said, "some dogs lead it."

"In that case," he came back, "what's so cruel about it? No dogcatchers out there in space. I'll bet most dogs love it. The cruelty

would be in bringing 'em backdon't you think?

a question threw me off. "Faced with the new active leisure." I said, "a dog needs a man. He misses being maltreated. After all,

He let his legs swing beneath the chair as he thought about that,

"That coffee ready?" It was, I poured myself a full

cup to make sure I got it, then I poured him what was left. There he sat, on the chair I usually sat on, perfectly at home at my table. He held the paper up between us, just the way I do with my wife,

"You bellyache about Headquarters," I said, "is this what Headquarters is paying you to

He glanced up to see what I meant. Saw it clearly and said. "Yun, I'm here from Headquarters." He said that in the friendliest way possible, but it set me back, What did he mean by Head-

"Hev. vou." he said. "listen to this! Seven billion bucks for an anti-missile missile! Talk about your double talk. How you like

I liked it even less than seeing

elbows on my table, drinking my coffee, and reading it to me.

"Chriminenty!" he vapped.

"Would you believe it?" "Would I believe what?" "What you call fit to print," he

said, and slapped his hand on the I could comment be read aloud:

He lowered the paper and said, "You know, that sounds familiar?" "I should think it would." I said. "just more of the same."

He pushed his mailman's hat back on his head, showing the ridge it had made in his brow. All the high points of his face were shiny, and it seemed to consist of nothing but high points. Nose, chin, the humps over his been closed; they popped open and he cried, "I got it! I got it!

The five-year plan!"
"Okay," I said, "what's new about ft?"

"They had it," he said, "Now uou got it!"

"Not me," I replied, "I don't want it."

"Ho, ho, bof" he laughed, his head tipped back, and I almost poured my coffee down his throat, "I have not got it," I said. "We

all got it. There's no place in the

year plans. What's so funny about

He suddenly stopped laughing, said, "So the world is trapped.

Sooner or later, in my case usually sooner, that's my luck, I play the good Samaritan, and I end up with a madman in my house. Through the bliods I gazed world where everyone seemed trapped, at the fact that there seemed nowhere in the world much news that was fit to print The morning was lovely, my beart

was sad, and I was trapped with a mad mailman in my kitchen. "A penny for your thoughts. old sport," he said, and I must say it surprised me. I mean the way

he put it. The feeling I had that he wanted to know. "When I read the paper." I said. "or even when I don't and you read it for me, honest to God if

I don't think I'll go nuts. Honest to God if I don't really wonder what the hell to do." That was my thought, and I could see it "Why you read the dang paper,

"It comes every morning," I replied. He didn't seem to find that

odd. No. not a bit "Well," he said, "it beats all, There must be some good newswby don't somebody print it?" "Nobody would believe it." I

replied. "If it's good news it's propaganda. If it's so bad you can't bear it, you know it's the truth." "Holy cow! What a world to

live inf" "You're telling me?" I said, and

wheeled on him, spilling some of my coffee.

"Why do you live in it?" he said. Just like that,

"Don't think," I said, "if there was any place to go, I wouldn't

'I'd go there like a shot.' You know what he said to that? "No kidding?"

"No kidding," I said, then added, "chum."

At that point we had a pause of the sort I have described. My forehead was damp, but the room itself seemed cool. I noticed he had gripped the sides of the chair the way a kid does at the dentist, as if the pressure from beneath might pop him out of it. "No kidding, chum," I said, clearing my throat, then I put in for the humor of it, "you got any suggestions?" "What about a planet?"

That was more humor than I'd

"Okav." I said, "what about it?"

He seemed to think that over. From my point of view, rather than his. "Let me tell you, old sport, there's more planets than you think."

"I don't doubt it," I said, "and I couldn't care less."

"What you think of all this crazy talk about saucers, old

sport?"

I didn't like the "old sport," but
it wasn't lost on me that he meant

it to be friendly.

T take it you mean flying saucers? He pumped his head up and down, rocking his hat. It was large for his head and rocked like a tocked-totte on the wings of his a tocked-totte on the wings of his kiddle stuff. Wahful thinking forwamps. Escape faction for wage slaves. In a world where we're all trapped, it's a trap door into the attie. Ever notice how much the ency worlds look like the old

He drummed his fingernails on the bottom of the chair, making a sound like a cat scratching. "What about it as an idea?" be said. "You know—along the line of

science fiction."
"Okay. What about it?"

"Let's say you an' me just pretend," he said, leaning forward, his legs swinging.

"Let's pretend," he said, "we got a little saucer right there in the back yard."

My mouth a little dry, I said, "Okay, go on."

"Let's pretend it's a small-size saucer," he went on, "with just enough room for me an' you on it No room for you to take along your wife, your cat, stuff like that. There's just barely room for you stopped there, and gave me the look Wise Old Owl used to give Be'er Rabbit. Like Br'er Rabbit I just laq yuise, I didn't give my-self away. "Okay, okay, he said, "so far so good, Now what we got is this saucer out there in the yard, and we got four or five minutes, say we make it five, before we take off." Saying that he took from his pocket a large stem-wind watch on a heavy gound class.

the second hand, "four minutes and fifty-two seconds, four minutes and forty-eight seconds-" "Hoy!" I said. "You counting from now?" "Four minutes and thirty-seven seconds," he replied. "Holy cow!" I said, picking up

his lingo, and putting down ruy ceffec eup I ran for the back. I rushed late my study, then just stood there a moment, looking around. This was a game, but like any game, you had to play it seriously. What the devil should I take? I looked around wildly at what I possessed. Books mostly, and few records, machines that made one noise or another, a typewriter, photographs of places and friends.

"Four minutes flat!" I heard him yell, and I lunged for the bookease, snatched MOBY DICK. It full heavy. I swapped it for Shake-

ease, snatched MORY DECK. It full heavy. I swapped it for Shakespeare in a thin paper edition. Did I want Shakespeare with me in space? Was I trapped in clickés? Was it Dante or Hucke? Firm I should have at my side on my spatial desert island? Or should it be Doublecrostics, Yoga exercise, or H. P. Lovecraif? From the top of my desk I grabbed the snapshot, no longer candid, of house, cat, and wife, from the toto be good for unprent thousand words. Okay, I would write them.

Three minutes and twenty-seven records, he alled. He seven records, he alled. It is a seven to the seven records, he alled. It is a seven records and the seven records and the seven records a seven records and the seven

and manyas one can aways canmanyas can aways canmanyas can aways cancan be can be can be can be can be
conta; he droned, as time runs
out for a man on the gallows, in
something of a panie I ran into
the bathroom—lie began, after
all, in the bathroom—and grabbed
the newest of the two toothbrushes, the tube of chlorophyll
pate, but with something like
clation I left the razor in its rack
grow, and noce, that beard.
Through it would whistle the
funders zephyny of outer space.

And aspirin! It made me faint to think I had almost overlooked it. Were there headaches in space? Feeling one coming on, I tapped two out of the hottle, swallowed

"One minute forty-five seconds, old sport!"

In the bedroom, the corner closet, back on the shelf with the carton of fuses, I raised a pillow and gazed, wide-eyed, at the cache, Old Bushmills, Brought in tax-free from Shannon, the gift of an old friend. Saved, as I had told him, as I had told myself, as I had told everybody, for what I called a special occasion. Wasn't this it? Perhaps the last special occasion of my life on earth? I took one bottle from the shelf, and slipped it, through an opening in my shirt, into my sleeve. A little heavy at the start, but once we had nipped it, we could jettison a kite's tail, through space, A fit-

"Fifty-seven seconds to go."
From a drawer smelling of moth balls I yanked a sweater, then dashed hack into the subtread sached. I scooped the pouch full of the tobacco that scented the house like a gloomer before moter smoked. I scooped the pouch full of the tobacco that scented the house like a gloomer fruit cake, then turned for a last look around. In what might nevel been the voice of a train caller he said. "Last call!"

our life on earth.

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Why? Can you tell me why he put it like that? Last call. Did he mean for this world—or the next one? As a man from Space, what There was no news it to print in this care, but some of the unprint-able news, was mine. I was, in fact, making news, sad as it seemed, at that very moment. If Life and Time knew should be not there in the yard, would be not there in the yard, with other news considered life to print, tomerowe norming. 5 Times.

LOCAL MAN LEAVES THIS WORLD FOR NEW PLANET

Would the news, on that planet, be fit to print?

The closing of a door, the one to the carport, stirred the air throughout the house, and a last faint puff of it seemed cool on my damp for chead. What had happened? Was it pain I felt, or relief?

"Wait" I yelled, and started to run, but the pocket of my coat caught on the doorknob. It avung me around, and I had to take the coat off to get free. "Wait" I holkered, and ran through the house to the carport door, yanking at open just as the leaves, in they ard at the back, shot up the way they de from a roaring fire, and in the tops of the trees I heard the whirring of the grackles taking flight.

What a sound it was Like the wind rippling the cloth of a sail.

I didn't move from the door, nor lift my eyes to look at the sky, nor did I need to be told that I bad missed the scoop of the year. I came back to the kitchen, where I found a small corner of the paper held down by a saucer. It was the left-hand corner, that de clared: "All the News That's Fil

to Print." Just below it, in a clear, round hand:

P.S. Hope you don't mind my swiping your paper. Nothing fit to print on the front of it at all, but holy cow, you ever look inside? Three-turret Microscope. 34-95. Allicator Space

Shoes, \$8.49! Hold on till I get me a bigger saucer, then we'll clean upl

The cat came out from where he had been bidling, suiffed around the chair where he had been sitting, and I poured what was left of my coffee back into the pot. While it was heating up I heard some of the grackles come back to our trees. Our regular mailman, who is none I have seen, came up the drive and stuffed the man of the control of the property of the control of the control

and Christmas seals.

"Another fine day!" he said, seeing me, and I said it sure was.



Ever time 1541, when a preslin destor died under peculiar circumtenaces, our literature has reachted with contrast signed in human blood and horgains reached by the light of hermatone. Here Robert Bloch and a dalightfully direpunded Fout find a new stead of jadare—on a warm and supringing blatterast level—between the missiscation of the impossible with and its disconcering morning-alies, an elemity in this.

That Hell-Bound Train

by ROBERT BLOCH

WHEN MARTIN WAS A LITTLE BOY, his Daddy was a Railroad Man. Daddy never rode the high iron, but he walked the tracks for the CBEQ, and he was proud of his job. And every night when he got drunk, he sang this old song about That Hell-Bound Train. Martin didn't quite remember

any of the words, but he couldn't forget the way his Daddy sange them out. And when Daddy made the mistake of getting drunk in the afternoon and got squeezed between a Pennsy tank-car and an ATCSF gondola, Martin sort of wondered why the Brotherhood didn't sing the song at his funeral.

didn't sing the song at his funeral.
After that, things didn't go so good for Martin, but somehow he always recalled Daddy's song.
When Mom up and ran off with a traveling salesman from Keokuk (Daddy must have turned over

in his grave, knowing she'd domo such a thing, and with a pessenger, tool) Martin hummed the tune to himself every night in the Orphan Home. And after Martin himself ran away, he used to whittle the song softly at night in the jungles, after the other bindlestiffs were asleep. Martin was on the road for

four-five years before he realized be wasn't getting anyplace. Of course he'd tried his hand at a lot of things—picking fruit in Oregon, washing dithes in a Montana hash-house, stealing hub-caps in Denver and tires in Oklahoma City—but by the time he'd put in six months on the chain-gang down in Alabama he knew he had no future drifting around this way

ok So he tried to get on the railer road like his Daddy had and they told him that times were bad. But Martin couldn't keep away from the railroads. Wherever he traveled, he rode the rods: be'd rather hop a freight heading north thumb to hitch a ride with a Cadillac headed for Florida, Whenever he managed to get hold of a can of Sterno, he'd sit there under a nice warm culvert, think about the old days, and often as not he'd hum the song the sinners rode-the gambling men and the grifters, the big-time spenders, the skirt-chasers, and all the jolly crew. It would be really fine to take a trip in such good company, but Martin didn't like to think of what happened when that train finally pulled into didn't figure on spending eternity stoking boilers in Hell, without even a Company Union to protect him. Still, it would be a lovely ride. If there was such a thing as

course, there wasn't.
At least Martin didn't think
there was, until that evening
when he found himself walking
the tracks heading south, just outside of Appleton Junction. The
night was cold and dark, the way
November nights are in the Fox
River Valley, and he knew he'd
have to work his way down to
New Orleans for the winter, or

a Hell-Bound Train. Which, of

maybe even Texas. Somehow he didn't much feel like going, even though he'd heard tell that a lot of those Texas automobiles had solid gold hub-caps.

No sir, he just wasn't cut out for petty larceny. It was worse than a sin—it was unprofitable, too. Bad enough to do the Devil's work, but then to get such miserable pay on top of it! Maybe he'd bettor let the Salvation Army convert

Martin trudged along humming Daddy's song, waiting for a rattler to pull out of the Junction behind him. He'd have to catch it—there was pothing also for him to do

But the first train to come along came from the other direction, roaring towards bim along the track from the south.

Martin peered ahead, but his eyes couldn't match his ears, and so far all he could recognize was the sound. It was a train, though; he felt the steel shudder and sing beneath his feet.

And yet, how could it be? The next station south was Neenah-Menasha, and there was nothing due out of there for hours.

g The clouds were thick overplaced, and the field-mists rolled like a cold fog in a November ministration of the cold of the have been able to see the headlight as the train rushed on. But there was only the whistle, screaming out of the black throat of the night, Martin could recognize the equipment of just about any locomotive ever built, but he'd never heard a whistle that sounded like this one. It wasn't signalling: it was screaming like a

He stepped to one side, for the train was almost on ton of him now. And suddenly there it was, looming along the tracks and grinding to a stop in less time than he'd believed possible. The wheels hadn't been oiled, because they screamed too, screamed like the damned. But the train slid to a halt and the screams died away into a series of low, groaning sounds, and Martin looked up and saw that this was a passenger train. It was big and black, without a single light shining in the engine cab or any of the long string of cars: Martin couldn't read any lettering on the sides. but he was pretty sure this train didn't belong on the Northwest-

cm Road.

He was even more sure when he saw the man clamber down out of the forward car. There was something wrong about the way he walked, as though one of his feet dragged, and about the lanter the carried. The lantern was dark, and the man held it up to his mouth and belew, and instantly it glowed redly. You don't have to be a member of the Railway Bretherheod to know that this is a mighty peculiar way of lighting.

As the figure approached, Martin recognized the conductor's cap perched on his head, and this made him feel a little better for a moment—until be noticed that it was worn a bit too high, as though there might be something sticking up on the forehead undermeath it.

Still, Martin knew his manners, and when the man smiled at him, he said. "Good evening. Mr. Con-

"Good evening, Martin."

"How did you know my name?"
The man shrugged. "How did
you know I was the Conductor?"

"You are, aren't you?"
"To you, yes. Although other people, in other walks of life, may recognize me in different roles. For instance, you ought to see what I look like to the folks out in Hollywood." The man grinned.

"I travel a great deal," he explained.
"What brings you here?" Martin asked.
"Wby, you ought to know the

answer to that, Martin. I came
because you needed me. Tonight,
I suddenly realized you were
backsliding. Thinking of joining
the Salvation Army, weren't you?

"Well-" Martin hesitated.
"Don't be ashamed. To err is human, as somebody-or-other-once said. Reader's Digest, wasn't

once said. Reader's Digest, wasn't it? Never mind. The point is, I felt you needed me. So I switched over and came your way." "What for?"

"Why, to offer you a ride, of course. Isn't it better to travel comfortably by train than to march along the cold streets behind a Salvation Army band? Hard on the feet, they tell me,

and even harder on the cardrums."

"I'm not sure I'd care to ride your train, sir," Martin said. "Con-

sidering where I'm likely to end up."

"Ah, yes. The old argument."

The Conductor sighed. "I suppose

"Exactly," Martin answered.
"Exactly," Martin answered.
will, I'm afraid I'm all through
with that sort of thing. There's no

shortage of prospective passengers any more. Why should I offer you any special inducements?"
"You must want me, or elso you

wouldn't have bothcred to go out of your way to find me."

The Conductor sighed again.

There you have a point. Fride was always my besetting weakness, I admit. And somehow I'd hate to loss you to the competition, after thinking of you as my own all these years. He hesitated. "Yes, I'm prepared to deal with you on your own terms, if you insist."

"The terms?" Martin asked. Standard proposition. Anything you want."

"Ah," said Martin.
"But I warn you in advance,

there'll be no tricks. I'll grant you any wish you can name—but in return, you must promise to ride the train when the time comes."

"Suppose it never comes?"
"It will."
"Suppose I've got the kind of a

"Suppose I've got the kind of a wish that will keep me off forever?"

"There is no such wish."
"Don't be too sure."

"Let me worry about that," the Conductor told him. "No matter what you have in mind, I warn you that I'll collect in the end. And there'll be none of this lastminute hocus-pocus, either minute hocus-pocus, either handlein or lancy lawyers showing up to get you off. I offer a clean deal. That is to say, you'll get what you want, and I'll get what I want."

"Tve heard you trick people. They say you're worse than a used-car salesman."

"Now, wait a minute--"

"I apologize," Martin said,

hastily, "But it is supposed to be a fact that you can't be trusted."
"I admit it. On the other hand, you seem to think you have found a way out."

"A sure-fire proposition."
"Sure-fire? Very funny!" The
man began to chuckle, then
halted. "But we waste valuable
time, Martin. Let's get down to

cases. What do you want from me?"

Martin took a deep breath. "I want to be able to ston Time."

"Right now?"
"No. Not yet. And not for everybody. I realize that would be impossible, of course. But I want to
be able to stop Time for myself.
Just once, in the future. Whenever I get to a point where I know

be able to stop Time for myself. Just once, in the future. Whenever I get to a point where I know I'm happy and contented, that's where I'd like to stop. So I can just keep on being happy forever." "That's quite a proposition," the

"That's quite a proposition," the Conductor mused. "I've got to admit I've never heard anything just like it before—and believe me, I've listened to some lulus in my day." He grinned at Martin. "You've really been thinking about

"For years," Martin admitted. Then he coughed. "Well, what do

you say?"
"It's not impossible, in terms of your own subjective time-sense,"

the Conductor murmured. "Yes, I think it could be arranged." "But I mean really to stop. Not

"I understand. And it can be done."

"Then you'll agree?"
"Why not? I promised you,
didn't I? Give me your hand."

Martin hesitated. "Will it hurt very much? I mean, I don't like the sight of blood, and..."

"Nonsensel You've been listening to a lot of poppycock. We already have made our bargain, my boy. I merely intend to put something into your hand. The ways and means of fulfilling your wish. After all, there's no telling at just what moment you may decide to exercise the agreement, and I can't drop everything and come running. So it's better if you can regulate matters for yourself."

"You're going to give me a Time-stopper?"

"That's the general idea. As

be practical." The Conductor hesitated. "Ah, the very thing! Here, take my watch."

He pulled it out of his vestty pocket: a railroad watch in a silver

case. He opened the back and made a delicate adjustment; Martin tried to see just exactly what he was doing, but the fingers moved in a blinding blur.

"There we are," the Conductor smiled. It's all set, now. Who, you finally decide where you'd like to call a halt, merely turn the stem in reverse and unwind the watch until it stops. When is stops, Time stops, for you. Simple enough?" And the Conductor

enough?" And the Conductor dropped the watch into Martin's hand.

The young man closed his fingers tightly around the case.

"That's all there is to it, eh?"

"Absolutely. But remember—
you can stop the watch only once.

So you'd better make sure that you're satisfied with the moment you choose to prolong. I caution you in all fairness; make very certain of your choice." T will." Martin grinned. "And since you've been so fair about it, I'll be fair, too. There's not thing you seem to have forgotten. It doesn't really matter what moment I choose. Because once i stop Time for myself, that means I stay where I am forever. I'll mever have to get any older. And the stay of the

train."

The Conductor turned away. His shoulders shook convulsively, and he may have been crying. "And you said I was worse than a used-car salesman," he gasted.

in a strangled voice.

Then he wandered off into the fog, and the train-whistle gave an impatient shriek, and all at once it was moving swiftly down the track, rumbling out of sight in the

Martin stood there, blinking down at the silver watch in his hand. If it wasn't that he could actually see it and feel it there, and if he couldn't smell that peculiar odor, he might have thought he'd imagined the whole thing from start to finish-train, Conductor, bargain, and all.

But he had the watch, and he could recognize the scent left by the train as it departed, even though there aren't many locomotives around that use sulphur and hrimstone as fuel.

bargain. That's what came of thinking things through to a logical conclusion. Some fools would have settled for wealth, or power, or Kim Novak. Daddy might have sold out for a fifth of whiskey. Martin knew that he'd made so

Martin knew that he'd made a better deal. Better? It was foolproof. All he needed to do now was choose his moment.

He put the watch in his pocket and started back down the railroad track. He hadn't really had a destination in mind before, but he did now. He was going to find a moment of harpniness.

Now young Martin wan't altogether a minu, Her valized perfectly well that happiness is a relative thing, here are conditions and degrees of contentment, and they vary with one's bet in and they vary with one's bet in feel, with a warm handout, a double-length bench in the park, or a can of Sterno made in 1957 (a vintage year). Many a time be had reached a state of momentary bits through such simple agencies, but he was avour that there mined to seek them out.

great city of Chicago. Quite naturally, he drifted over to West Madison Street, and there he took steps to elevate his role in life. He became a city bum, a panhandler, a moocher. Within a week he had risen to the point where happiness was a meal in a regular one-arm luncheon joint, a two-bit flop on a real army cot in a real flophouse, and a full fifth of mus-

catel. There was a night, after enjoying all three of these kuzuries to the full, when Martin thought of the full, when Martin thought of the faces of the honest plant of the full of the

Squares or no, they had something there. Martin fingered his watch, put aside the temptation to hock it for another bottle of muscatel, and went to sleep determined to get himself a job and

Improve his happinese-quotient. When he swoke he had a hangwhen he wide he had a hangover, but the determination was still with him. Before the mosh was out Martin was working for a general contractor over on the 3g mental contractor over on the light and habilitation perjects. He hated the grind, but the pay was good, and perchy soon he got himself a oneroom apartment out on Blue Island Avenue, He was accusationed to eating in decent restautemed to eating in decent restaurants now, and the Poundt limited. a comfortable bed, and every Saturday night he went down to the corner tavern. It was all very

pleasant, but-

The foreman liked his work and promised him a raise in a month. If he waited around, the raise would mean that he could afford a second-hand car. With a car, he could even start picking up a girl for a date now and then. Other fellows on the job did, and they seemed prefit happy.

So Martin kept on working, and the raise came through and the ear came through and pretty soon a couple of girls came through. The first time it happened ke

The first time tense spreads. In waste to unwish the waters immediately. Until he got to think ing about what some of the older men always said. There was a guy anneed Charle, for example, who worked alongside him on the holst. When you're young and don't know the score, maybe you get a kick out of running around with those pigs. But after a while. You wast something better. A nice you wast something better. A nice

you want something better. A nice girl of your own. That's the ticket."

Martin felt he owed it to himself to find out. If he didn't like

e- it better, he could always go back to what he had.

Almost six months went by before Martin met Lillian Gillis. By that time he'd had another promotion and was working inside, in the office. They made him go to sight robust to learn hour to do simple book-keeping, but it meant another fifteen bucks extra a week, and it was nicer working in-

And Lillian teas a lot of fun. When she told him she'd marry him, Martin was almost sure that the time was now. Except that she was sort of-well, she was a nice girl, and she said they'd have to wait until they were married. Of course, Martin couldn't expect to marry her until he had a little more momey saved up, and an-

other raise would help, too.

That took a year. Martin was

patient, because he knew it was going to be worth it. Every time he had any doubts, he took out his watch and looked at it. But he never showed it to Lillian, or anybody else. Most of the other men wore expensive wristwatches and the old silver railroad watch looked just a little cheap. Martin smiled as he gazed at the stem, lust a few twists and

he'd have something none of these other poor working slobs would ever have. Permanent satisfaction, with his blushing bride— Only getting married turned

out to be just the beginning. Sure, it was wonderful, but Lillian told him how much better things would be if they could move into a new place and fix it up. Martin wanted decent furniture, a TV set, a nice car.

So he started taking night courses and got a promotion to the front office. With the baby coming, he wanted to stick around and see his son arrive. And when it came, he realized he'd have to wait until it got a little older, started to walk and talk and develop a personality of its own.

About this time the company sent him out on the road as a trouble-shooter on some of those other jobs, and now he user eating at those good hotels, living high on the hog and the expense-account. More than once he was empted to unwind his watch. This was the good life... Of the just distribute the property of the pro

could make a pile and retire.
Then everything would be ideal.
It happened, but it took time.
Martin's son was going to high
school before he really got up
there into the chips. Martin got a
strong hunch that it was now or
never, because he wasn't exactly
a kid any more.

But right about then he mee Sherry Westoot, and she didn's seem to think he was middle-aged at all, in spite of the way he was losing hair and adding stomach. She taught him that a forupee could cover the bald spot and a cummerbund could cover the potgut. In fact, she taught him quite a lot and he so enjoyed learning that he actually took out his watch.

that he actually took out his water and prepared to unwind it. Unfortunately, he chose the very moment that the private detectives broke down the door of the hotel room, and then there was a long sretch of time when Martin was so busy fighting the divorce action that he couldn's houself was the was and included any the long the long that he couldn's any the was and continued any the long the lo

given moment.

When he made the final settle-

ment with Lift he was broke again, and Sherry didn't seem to think he was so young, after all. So he squared his shoulders and went

He made his pile, eventually, but it took longer this time, and there wasn't much chance to have fun along the way. The fancy dames in the fancy cocktail lounges didn't seem to interest him any more, and neither did the Bunor. Besides, the Doc had

warned him off that.

But there were other pleasures
for a rich man to investigate.
Travel, for instance—and not rich
ing the rods from one hick burg
to another, either. Martin went
around the world by plane and
luxury liner. For a while it seemed
as though he would find his
moment after all, visiting the Taj
Mahal by monolight. Martin
pulled out the battered old watchcase, and got ready to unwind it.
Nobody che was there to watch

And that's why he besitated. Sure, this was an enjoyable moment, but he was alone, Lil

and the kid wero gone, Sherry was gone, and somehow her never had time to make any friends. Maybe if he found new congenial people, he'd bave the ultimate happiness. That must be the answer—it wasn't just money or power or sex or seeing beautiful things. The real satisfaction lay ful things. The real satisfaction lay

So on the boat trip home, Martin tried to strike up a few acquaintances at the ship's bar. But all these people were much younger, and Martin had nothing in common with them. Also they wanted to dance and drink, and Martin wasn't in condition to appreciate such pastimes. Neverthe-

less, he tried.

Perhaps that's why he had the little accident the day before they

docked in San Francisco. "Little accident" was the slitp's doctor's way of describing it, but Martin noticed he looked very grave when he told him to stay in bed, and he'd called an ambulauce to meet the liner at the dock and take the patient right to the hospital.

At the hospital, all the expen-

sive treatment and the expensive smiles and the expensive words didn't fool Martin any. He was an old man with a bad heart, and they thought be was going to die. But he could fool them. He still

had the watch. He found it in his coat when he put on his clothes and sneaked out of the hospital. He didn't have to die. He could cheat death with a single gesture—and he intended to do it as a free man, out there under a free

sky.

That was the real secret of happiness. He understood it now.

Not even friendship meant as much as freedom. This was the best thing of all-to be free of friends or family or the furtes of

the flesh.

Martin walked slowly beside
the embankment under the night
sky. Come to think of it, he
was just about back where be'd
started, so many years ago. But
the moment was good, good.

enough to prolong forever. Once a burn, always a burn,

He smiled as he thought about it, and then the smile twisted sharply and suddenly, like the pain twisting sharply and suddenly in his chest. The world began to spin and he fell down on the side of the embankment.

He couldn't see very well, but he was still conscious, and he knew what had happened. Another stroke, and a had one. Maybe this was it. Except that he wouldn't be a fool any longer. He wouldn't wast to see what was

still around the corner.

Right now was his chance to use his power and save his life.

use his power and save his life.

And he was going to do it. He could still move, nothing could stop him.

top him. He groped in his pocket and pulled out the old silver watch, fumbling with the stem. A few twists and he'd cheat death, he'd pever have to ride that Hell-

Bound Train. He could go on for-

Forever.

Martin had never really considered the word before. To go on forever—but hou? Did he want to go ou forever, like this; a sick old man, lying helplessly here in

the grass?

No. He couldn't do it. He wouldn't do it. And suddenly he wanted very much to cry, because he knew that somewhere along the line he'd outsmarted himself. And now it was too late. His eyes

And now it was too late. His eyes dimmed, there was a roaring in his ears...

He recognized the roaring, of

course, and he wasn't at all surprised to see the train come rushing out of the fog up there on the

when it stopped, either, or when the Conductor climbed off and walked slowly towards him. The Conductor hadn't changed a hit. Even his crip was still the

. a bit. Even his grin was still the same.
"Hello, Martin," he said, "All

aboard."
"I know," Martin whispered.
"But you'll have to carry me. I

can't walk. I'm not even really talking any more, am I?"
"Yes you are," the Conductor

said. "I can bear you fine. And you can walk, too." He leaned moment of icy numbness, and then, sure enough, Martin could walk after all.

He got up and followed the

Conductor along the slop to the side of the train.

to the side of the train.
"In here?" he asked.

"No, the next car," the Conductor murmerd. T guess you're entitled to ride Fullman. After all, you're quite a successful man. You've tasted the joys of weath and position and prestige. You've known the pleasures of marriage and fatherhood. You've sampled the delights of dining and drinktravelled high, wide and handsome. So let's not have any lastminute recriminations."

"All right," Martin sighed. "I can't blame you for my mistakes. On the other hand, you can't take credit for what happened, either. I worked for everything I got. I did it all on my own. I didn't even need your watch."

"So you didn't," the Conductor said, smiling. "But would you mind giving it back to me now?" "Need it for the next sucker,

eh?" Martin mutte

Pernaps.
Something about the way he said it made Martin look up. He tried to see the Conductor's eyes, but the brim of his cap cast a shadow. So Martin looked down

"Tell me something," he said, softly. "If I give you the watch, what will you do with it?"

"Why, throw it into the ditch," the Conductor told him. "That's all I'll do with it." And he held out his hand.

"What if somebody comes along and finds it? And twists the stem backwards, and stons Time?"

"Nobody would do that," the

Conductor murmured, "Even if they knew."
"You mean, it was all a trick?

This is only an ordinary, cheap watch?"
"I didn't say that," whispered

the Conductor. Tonly said that no one has ever twisted the stem backwards. They've all been like you, Martin-looking ahead to find that perfect happiness. Waiting for the moment that never comes."

The Conductor held out his hand again.

Martin siched and shook his

head. "You cheated me after all."
"You cheated yourself, Martin.
And now you're going to ride that
Hell-Bound Train."

He pushed Martin up the steps and into the car ahead. As he entered, the train began to move and the whistle screamed. And Martin stood there in the swaying Pullman, gazing down the aisle at the other passengers. He could see them sitting there, and some-

how it didn't seem strange at all. Here they were; the drunks and the sinners, the gambling men and the grifters, the big-time spenders, the the skirt-chaers, and all the folly crew. They knew where they were going, of clourse, but they delfn's seem to give a dram. The blinds were drawn on the windows, yet it was light inside, and and passing the bettle and roaring with laughter, throwing the disc and telling their jokes and branging their big brang, just the way Daddy used to sing about

"Mighty nice traveling companious," Martin said. "Why, I've never seen such a pleasant bunch of people. I mean, they seem to be really enjoying themselves!" The Conductor shrugged. "I'm afraid things won't be quite so

jazzy when we pull into that Depot Way Down Yonder."

For the third time, he held out his hand. "Now, before you sit down, if you'll just give me that watch. A bergain's a bargain..."

Martin smiled. "A bargain's a bargain," he echoed. "I agreed to ride your train if I could stop

Time when I found the right moment of happiness. And I think

I'm about as happy right here as I've ever been." Very slowly, Martin took hold

Very slowly, Martin took hold of the silver watch-stem. "No!" gasped the Conductor.

"No!"

But the watch-stem turned.
"Do you realize what you've done?" the Conductor yelled.

done?" the Conductor yelled.
"Now we'll never reach the
Depot! We'll just go ou riding, all
of us-forever!"
Martin grinned. "I know," he

said. "But the fun is in the trip, not the destination. You taught me that. And I'm looking forward to a wonderful trip. Look, maybe I can even help. If you were to find me another one of those caps, now, and let me keep this watch—"

And that's the way it finally worked out. Wearing bis cap and carrying his battered old silver watch, there's no happier person in or out of this world-now and forever—than Martin, the new Brakeman on That Hellbound Train.



pictures, new starring in the CBS TV show "December Bride," writer. "If your

MASIS DAVENPORT, WHITE



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